JURISDICTIONAL DELINEATION of Areas Subject to the U.S. Army Corps of Engineers and the California Department of Fish and Game

> California Institution for Men City Of Chino San Bernardino County, California

Prepared For:

U.S. Army Corps of Engineers Los Angeles District Regulatory Branch 911 Wilshire Boulevard, 11th Floor Los Angeles, California 90053

California Department of Fish and Game 330 Golden Shore, Suite 50 Long Beach, California 90802

State of California
Department of General Services
Real Estate Services Division
1102 Q Street
Suite 6000
Sacramento, California 95814-6280

Goodell Brackenbush 36 West Colorado Suite 208 Pasadena, California 91105

Prepared By:

Sapphos Environmental, Inc. 133 Martin Alley Pasadena, California 91105

August 2001

TABLE OF CONTENTS

SECTI	ON		PAGE
	EXECU	JTIVE SUMMARY	ii
1.0	INTRO	DDUCTION	1
2.0	PROJE	CCT LOCATION	1
3.0	BACK(3.1 3.2 3.3	GROUND Project Description Site Description Regulatory Framework	1
4.0	JURISE	DICTIONAL DELINEATION METHODS	4
5.0	JURISE 5.1 5.2	DICTIONAL DELINEATION RESULTS	5
6.0	REFER	ENCES	7
FIGUF	RE	FOLLO	WS PAGE
2-1 2-2 3.1-1 3.2-1 3.2-2 4-1 5-1	Local N Parcel Retain Dirt Ro Jurisdie	nal Vicinity Vicinity Location Map Ling Structures and Vegetation oadways ctional Delineation Transect Locations by Jurisdiction	1 2 2
А. В.		Forms—Routine Wetland Determination ect Photos	

CALIFORNIA INSTITUTION FOR MEN CITY OF CHINO COUNTY OF SAN BERNARDINO, CALIFORNIA

Applicant Name State of California

Department of General Services Real Estate Services Division 1102 Q Street, Suite 6000 Sacramento, CA 95814-6280 Contact: Mr. Chris Christman

(916) 323-4435

Agent Name Sapphos Environmental, Inc.

133 Martin Alley Pasadena, CA 91105

Contact: Ms. Marie Campbell

(626) 683-3547

Waterway Name Cypress Channel

Location U.S. Geological Survey (USGS) 7.5 minute series Prado Dam topographic

quadrangle (Township 2 South, Range 8 West, Santa Ana Del Chino Land

Grant Boundary).

Brief Description of Proposed Work

The State of California Department of General Services (DGS), Asset Planning and Enhancement Branch completed the initial phase of a Master Land Use Plan (MLUP), as specified in Chapter 500 of the Statutes of 1998 (Senate Bill 491) for the State owned property currently used for the California Institute for Men (CIM), located within the City of Chino, County of San Bernardino, California. The MLUP is intended to provide a guide for the future utilization of the entire 2.460 acres of the state-owned site.

The following report is a delineation of the baseline environmental conditions of Cypress Channel. Cypress Channel is a partially improved open channel storm drain that conveys stormwater flow from the San Gabriel mountains and urban watershed. The channel crosses into the CIM site at its northern boundary and extends south approximately 11,600 linear feet to its southern boundary. The southern most 3,000 linear feet of the channel within the CIM site are un-lined by concrete and maintain a natural bottom. The natural bottom portion of the channel is the subject of this delineation.

1.0 INTRODUCTION

The following report has been prepared by Sapphos Environmental, Inc. in response to a request by the State of California Department of General Services, Asset Planning and Enhancement Branch for a delineation to determine the baseline environmental conditions on a portion of Cypress Channel located on the property operated by the California Institution for Men (CIM), City of Chino, County of San Bernardino, California. Sapphos Environmental, Inc. has reviewed all available maps and data on the CIM site and Cypress Channel, and has delineated the 3,000 linear feet of the natural bottom portion of the channel. On June 12 and 13, 2001, Sapphos Environmental, Inc. (Mr. Paul Seilo, Mr. Blair Baker, Ms. Jennifer Campbell Young, and Ms. Jessica Koteen) conducted a delineation of the natural bottom portion of the Cypress Channel. Based on the review of information and the delineation efforts in the field, Sapphos Environmental, Inc. has prepared the following report to describe the baseline environmental conditions along Cypress Channel and to delineate the extent of areas potentially subject to the jurisdiction of the U.S. Army Corps of Engineer (USACOE) and the California Department of Fish and Game (CDFG).

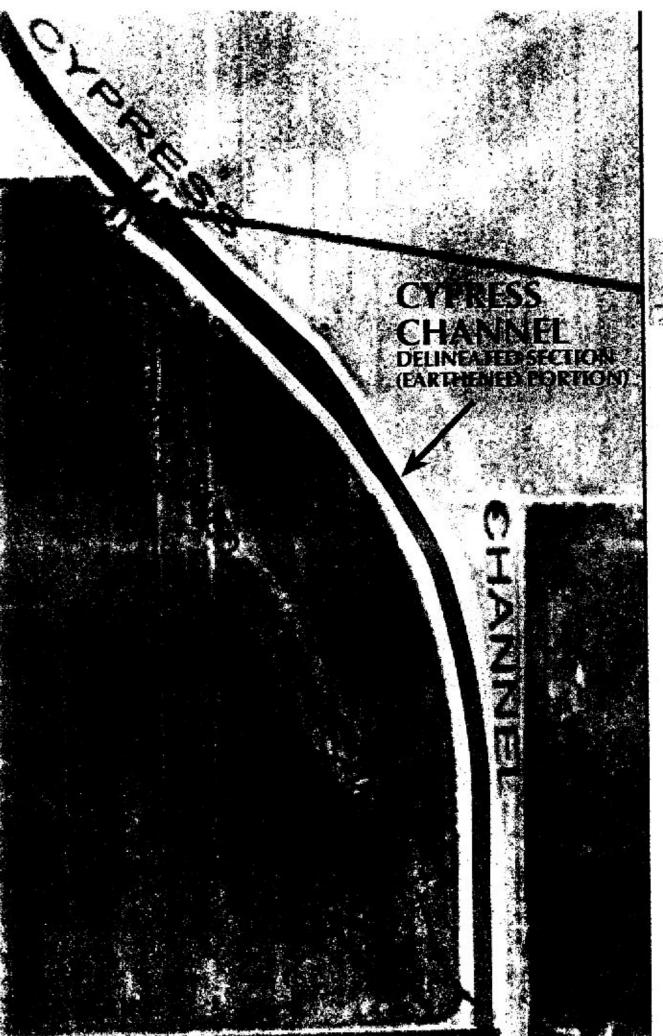
2.0 PROJECT LOCATION

The project is located within the boundaries of CIM, in the City of Chino, County of San Bernardino, California, which is bound to the north by Edison Avenue, to the east by Euclid Avenue, to the south by Kimball Avenue and to the west by Central Avenue. The CIM site is comprised of approximately 2,460 acres, located at 14901 South Central Avenue in the City of Chino, County of San Bernardino, California (Figure 2-1, *Regional Vicinity*, and Figure 2-2, *Local Vicinity*). The CIM site is depicted on the USGS 7.5 minute series Prado Dam topographic quadrangle (Township 2 South, Range 7 and 8 West, Santa Ana Del Chino Land Grant Boundary). Surrounding areas include the primary residential and business district of the City of Chino to the north, Chino Airport to the east, the California Institution for Women and the Prado Basin to the south, and the community of Los Serranos to the west.

3.0 BACKGROUND

3.1 Project Description

The State of California Department of General Services, Asset Planning and Enhancement Branch, with the assistance and cooperation of the California Department of Corrections and the California Youth Authority, completed the initial phase of a Master Land Use Plan (MLUP), as specified in Chapter 500 of the Statutes of 1998 (Senate Bill 491) for the State owned property currently used for the California Institution for Men (CIM), located within the City of Chino, County of San Bernardino, California. The MLUP is intended to provide a guide for the future utilization of the entire 2,460 acres of the state owned site. As displayed in Figure 3.1-1, *Parcel Location Map*, the MLUP divided the entire CIM site into three distinct areas: a northern parcel, CIM central parcel, and a southern parcel. It was concluded that the long-term retention of a broad strip of land consisting of approximately 1,000 acres in the central portion of the existing site, would be sufficient for the ongoing uses by CIM. The MLUP identifies potential recommended uses for approximately 700 acres in the northern parcel of the property. The MLUP identifies approximately 245 acres of the northern parcel for existing and



1=300"

PLANIMETER NOTES

			2009-0000
1218-001 Delineablon of PTS, BEB	Cypress Chann	e\	
D 5.86 4.64	© 5.18 5.57	3	4.99
5.18 5.23 avg.	4.70 5.15 avg.		4.80 avg.
	≥ 5.23 5.15 4.80		
	5.06 avg.		

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)

ls the site significantly disturbed (Atypical S Is the area a potential Problem Area?	Yes (No) Community ID: Situation:? Yes (No) Plot ID:
. (If needed, explain on reverse.)	i , , , , , , , , , , , , , , , , , , ,
	11' West finn (
GETATION	
Commant Plant Science Strange Indicate	tor Comment Plant Spaces Stretum Indicator
1. rotopy satua	· Bucaly pr
= Mustard 7	10. Spinish Mitte
3. Dlack willow	
· Smarveed	12
water (1) compa dans	13
5. nogasi	
Duck mustral	18
= 10Uan -	6
(excluding FAC-).	
(excluding FAC-).	
(excluding FAC-i. Remarks: YDROLOGY Recorded Data (Describe in Remarks): Stream. Lake. or Tide Gauge	Wedand Mydrology Indicators: Primary Indicators:
(excluding FAC-i. Remarks: PDROLOGY Recorded Data (Describe in Remarks): Stream. Lake. or Tide Gauge Aerial Photographs Other	Wedand Hydrology Indicators: Primery Indicators: / Inundated Saturated in Upper 1.2 Inches
(excluding FAC-i. Remarks: /DROLOGY Recorded Data (Describe in Remarks): Stream. Lake. or Tide GaugeAerial Photographs	Wedand Hydrology Indicators: Primery Indicators:/ Inundated
(excluding FAC+). Remarks: (DROLOGY Recorded Data (Describe in Remarks): Stream. Lake. or Tide Gauge Aerial Photographs Other No Recorded Data Available	Wedand Hydrology Indicators: Primery Indicators: ✓ Inundated ✓ Saturated in Upper 12 Inches ✓ Water Marks ✓ Onit Upper Sediment Opposits
(excluding FAC+). Remarks: (DROLOGY Recorded Data (Describe in Remarks): Stream. Lake. or Tide Gauge Aerial Photographs Other No Recorded Data Available	Wedand Hydrology Indicators: Primery Indicators: / Inundated Saturated in Upper 12 Inches/ Water Marks/ Onit Upper
(excluding FAC+). Remarks: (DROLOGY Recorded Data (Describe in Remarks): Stream. Lake. or Tide Gauge Aerial Photographs Other No Recorded Data Available	Wedand Hydrology Indicators: Primery Indicators:
(excluding FAC+). Remarks: PDROLOGY Recorded Data (Describe in Remarks): Stream. Lake. or Tide Gauge Aerial Photographs Other No Recorded Data Available Field Observegons:	Wedand Hydrology Indicators: Primery Indicators:
POROLOGY Recorded Data (Describe in Remarks):Stream. Lake. or Tide GaugeAerial PhotographsOtherNo Recorded Data Available Field Observations: Death of Surface Water:	Wedand Hydrology Indicators: Primery Indicators: Vinundated Saturated in Upper 12 Inches Weter Marks Drift Lines Sediment Deposits Orainage Patterns in Wedands Secondary Indicators (2 or more redurred): Oxidized Root Channels in Upper 12 Inches Water-Stained Leaves Local Sail Survey Oats FAC-Neutral Test
(excluding FAC+). Remarks: PDROLOGY Recorded Data (Describe in Remarks): Stream. Lake. or Tide Gauge Aerial Photographs Other No Recorded Data Available Field Observedons: Death of Surface Water: (in	Wedand Mydrology Indicators: Primery Indicators: / Inundated Saturated in Upper 12 Inches Water Marks / Onit Lines Sediment Deposits / Oranage Patterns in Wedands Secondary Indicators (2 or more required): Gxidized Root Channels in Upper 12 Inches Water-Stained Lesves Local Soil Survey Oats FAC-Neutral Test
(excluding FAC-i. Remarks: PDROLOGY Recorded Data (Describe in Remarks): Stream, Lake, or Tide Gauge Aerial Photographs Other No Recorded Data Available Field Observations: Death of Surface Water: Death to Free Water in Fit: In	Wedand Hydrology Indicators: Primery Indicators: Vinundated Saturated in Upper 12 Inches Weter Marks Drift Lines Sediment Deposits Orainage Patterns in Wedands Secondary Indicators (2 or more redurred): Oxidized Root Channels in Upper 12 Inches Water-Stained Leaves Local Sail Survey Oats FAC-Neutral Test
(excluding FAC+). Remarks: //DROLOGY	Wedand Hydrology Indicators: Primery Indicators: Vinundated Saturated in Upper 12 Inches Weter Marks Drift Lines Sediment Deposits Orainage Patterns in Wedands Secondary Indicators (2 or more redurred): Oxidized Root Channels in Upper 12 Inches Water-Stained Leaves Local Sail Survey Oats FAC-Neutral Test

Series and Phasei: V(ad	lo Dam	Oramage C	
axenomy (Subgraud):			Madded Type? Yes No
Profile Description: Descriptio		Martie AbundancarConff23t	Fexture, Cancretions, Structure, 110.
Histosa Histosa Histo Epipedon Sulfidio Odor Aquio Maisture Regint Reducing Canditions Gieyed or Low-Chrom	_	Cancregons High Organic Content in S Organic Screaking in Sand Listed on Local Hydric Soi Listed on National Hydric Other (Explain in Remarks	is Ust Sonis List
Remarks:		v == 0 = 0.0 =	
ETLAND DETERMINATION			
ETLAND DETERMINATION Hydrophyde Vegetation Present? Wedend Hydrology Present? Hydric Sais Present?	Yes No (Circle) Yes No Yes No	Is this Sampling Point Wi	(Circle)
Hydrophydd Vegetadon Prasent? Wedand Hydrology Present?	Yes No	Is this Sampling Point Wil	

7-55-9-55 E. P

DATA FORM ROUTINE WETLAND DETERMINATION (1987 CDE Wetlands Delineation Manual)

	, 12.
Project/Site: State of Cottornia Corrections Pr	operty in Chino Oste: 6/13/01
Applicant/Owner: State of California, Deputa Investigator: SAPPHOR ENVIRONMENTAL, INC	THE STATE OF THE S
	State:
Do Normal Circumstances exist on the site?	Yes (No) Community ID:
Is the site significantly disturbed (Atypical Situal Is the area a potential Problem Area?	
(If needed, explain on reverse.)	(No) Flot ID: 40
	3 news west of
	Smert's west of
EGETATION	10.1
Commant Plant Species Stratum Indicator	Gominent Species Stratum Indicator
SWANEEL	
moterci	9
- radioh	
willow black	11
	12
	13
	14
	15
	6
TREAL ACT	
DROLOGY	
Recorded Oats (Describe in Remarks): Stream. Lake. or Tide Gauge	Wedand Hydrology Indicators:
Aenai Photographa	Primary Indicators:
No Recorded Data Available	Saturated in Upper 12 Inches
	V Water Marks
	The Lines
eid Observations:	✓ Orainage Patterns in Wedands
Depth of Surface Water:	Torsinage Patterns in Wedands Secondary Indicators (2 or more rectured):
Depth of Surface Water:	Drainage Patterns in Wedands Secondary Indicators (2 or more reduired): Oxidized Root Channels in Upper 12 Inches Water-Stained Leaves
Depth of Surface Water:	Torsinage Patterns in Wedands Secondary Indicators (2 or more reduced):
Depth of Surface Water:	Torsinage Patterns in Wedands Secondary Indicators (Z or more redured): Oxidized Root Clannels in Upper 12 Inches Water-Staned Leaves Local Soil Survey Oata
Death to Free Water in Fit:(in.) Death to Seturated Soil:(in.)	Torsinage Patterns in Wedands Secondary Indicators (Z or more redured): Oxidized Root Channels in Upper 12 Inches Water-Stained Leaves Local Soil Survey Oata FAC-Neutral Test
Death of Surface Water: Death to Free Water in Fit: Death to Saturated Soil: In.)	Torsinage Patterns in Wedands Secondary Indicators (Z or more redured): Oxidized Root Channels in Upper 12 Inches Water-Staned Leaves Local Soil Survey Oata FAC-Neutral Test
Death of Surface Water: Death to Free Water in Fit: Onath to Secure Said	Torsinage Patterns in Wedands Secondary Indicators (Z or more redured): Oxidized Root Channels in Upper 11 Inches Water-Stained Leaves Local Soil Survey Oata FAC-Neutral Test
Death of Surface Water: Death to Free Water in Fit: Death to Saturated Sail: emerks:	Orainage Patterns in Wedands Secondary Indicators (2 or more reduced): Oxidized Root Channels in Upper 12 Inches Water-Stained Leaves Local Soil Survey Oata FAC-Neutral Test Other (Explain in Remarks)
Death of Surface Water: Death to Free Water in Fit: Death to Seturated Soil: emerks:	Torsinage Patterns in Wedands Secondary Indicators (2 or more recuired):
Death of Surface Water: Death to Free Water in Fit: Death to Saturated Soil: January 1988 Januar	☐ Orainage Patterns in Wedands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 11 Inche ☐ Water-Stained Leaves ☐ Local Soil Survey Oats ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)

- 206 -

DATA FORM ROUTINE WETLAND DETERMINATION (1987 CDE Wetlands Delineation Manual)

	, 12.
Project/Site: State of Cottornia Corrections Pr	operty in Chino Oste: 6/13/01
Applicant/Owner: State of California, Deputa Investigator: SAPPHOR ENVIRONMENTAL, INC	THE STATE OF THE S
	State:
Do Normal Circumstances exist on the site?	Yes (No) Community ID:
Is the site significantly disturbed (Atypical Situal Is the area a potential Problem Area?	
(If needed, explain on reverse.)	(No) Flot ID: 40
	3 news west of
	Smert's west of
EGETATION	10.1
Commant Plant Species Stratum Indicator	Gominent Species Stratum Indicator
SWANEEL	
moterci	9
- radioh	
willow black	11
	12
	13
	14
	15
	6
TREAL ACT	
DROLOGY	
Recorded Oats (Describe in Remarks): Stream. Lake. or Tide Gauge	Wedand Hydrology Indicators:
Aenai Photographa	Primary Indicators:
No Recorded Data Available	Saturated in Upper 12 Inches
	V Water Marks
	The Lines
eid Observations:	✓ Orainage Patterns in Wedands
Depth of Surface Water:	Torsinage Patterns in Wedands Secondary Indicators (2 or more rectured):
Depth of Surface Water:	Drainage Patterns in Wedands Secondary Indicators (2 or more reduired): Oxidized Root Channels in Upper 12 Inches Water-Stained Leaves
Depth of Surface Water:	Torsinage Patterns in Wedands Secondary Indicators (2 or more reduced):
Depth of Surface Water:	Torsinage Patterns in Wedands Secondary Indicators (Z or more redured): Oxidized Root Clannels in Upper 12 Inches Water-Staned Leaves Local Soil Survey Oata
Death to Free Water in Fit:(in.) Death to Seturated Soil:(in.)	Torsinage Patterns in Wedands Secondary Indicators (Z or more redured): Oxidized Root Channels in Upper 12 Inches Water-Stained Leaves Local Soil Survey Oata FAC-Neutral Test
Death of Surface Water: Death to Free Water in Fit: Death to Saturated Soil: In.)	Torsinage Patterns in Wedands Secondary Indicators (Z or more redured): Oxidized Root Channels in Upper 12 Inches Water-Staned Leaves Local Soil Survey Oata FAC-Neutral Test
Death of Surface Water: Death to Free Water in Fit: Onath to Secure Said	Torsinage Patterns in Wedands Secondary Indicators (Z or more redured): Oxidized Root Channels in Upper 11 Inches Water-Stained Leaves Local Soil Survey Oata FAC-Neutral Test
Death of Surface Water: Death to Free Water in Fit: Death to Saturated Sail: emerks:	Orainage Patterns in Wedands Secondary Indicators (2 or more reduced): Oxidized Root Channels in Upper 12 Inches Water-Stained Leaves Local Soil Survey Oata FAC-Neutral Test Other (Explain in Remarks)
Death of Surface Water: Death to Free Water in Fit: Death to Seturated Soil: emerks:	Torsinage Patterns in Wedands Secondary Indicators (2 or more recuired):
Death of Surface Water: Death to Free Water in Fit: Death to Saturated Soil: January 1988 Januar	☐ Orainage Patterns in Wedands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 11 Inche ☐ Water-Stained Leaves ☐ Local Soil Survey Oats ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)

- 206 -

Map Unit Name Prado Dam Oramane Class: (Sanes end Phase): Field Observations Confirm Magged Type/ Yes No Taxonomy (Subgroup): Profile Deschanon: Texture, Concretions. Morae Colors Martie Matria Calor Depth AbuncancerContrest Munseil Moisti Structure, stc. Munsell Maistl (inches) Henzen Hydric Sail Indicators: Concretons Histosol High Organic Content in Surface Laver in Sandy Soils Hisac Epipedon Organic Streaming in Sancy Soils Suffidie Odor Listed on Local Hydric Soils List Aguic Moisture Regime Listed on National Hydric Soils List Reducing Conditions Gieved or Low-Chroma Calors Otner (Explain in Remarks) Remarks: WEILAND DETERMINATION (Circle) No (Circle) Hydrophyce Vegetation Present/ Na Wedand Hydrology Present? Yes Yes No is this Sampling Point Within a Wedana? Na Hydric Soils Presenti Yes Remarks: Approved by #QUEACE 3/92

SOILS

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)

Project/Site: The of Colfornia Corrections Proposicions/Owner: State of Colfornia Deputarions Investigator: JAPAHOK ENVICONMENTAL TWO	State: A Bernith
Oo Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situal Is the area a potential Problem Area? . (If needed, explain on reverse.)	tion)? Yes No Community ID: Transect ID: 3
EGETATION	15-feet West of
E. SMILCO E. SMILCO MANUAL HU GIAN E. CHMS E	9. WILW #2 (AMO?) 10. Extents 11
PROLOGY Recorded Oata (Describe in Remarks): Stream, Lake, or Tide Gauge Aerial Photographs Other No Recorded Data Available	Wedend Hydrology Indicators: Primary Indicators: Inundated Saturated in Upper 12 Inches Water Marks Onit Lines Sectionent Deposits
Geoth to Free Water in Pitt (in.)	✓ Orainage Patterns in Wedands Secondary Indicators (2 or more reduced): — Oxidized Root Channels in Uoper 12 Inches — Water-Stained Leaves — Local Sail Survey Data — FAC-Neutral Test — Other (Explain in Remarks)
Cepth to Secureted Sou:in.)	

Sanes and Phasel: Y(A)	o Dam	Orainage C Field Obser Confirm A	
Provide Description: Matrix Caler Municipal Mar		Martie Abundance/Confrest	Texture, Concretions, Structure, MC.
	Interest		
Hygne Sail Indicators: Histoso Histo Scipedon Sulfidic Odor Adulto Moisture Regime Reducing Conditions Gleyed or Low-Chroma	• =	Concretions High Organic Content in S Organic Streeking in Sand Usted on Local Hydric Soi Listed on National Hydric Other (Explain in Remarks	is lust Sons List
Remarks:		i di	
	Yes No (Circle) Yes No Yes No	is this Samoling Point Wi	(Circle) thin 4 Wetterd? Yes No
ETLAND DETERMINATION Hydrophydd Vegetadon Prazent? Wedand Hydrology Prezent?	Yes Na	(s this Semoting Point Wi	
ETLAND DETERMINATION Hydrophydd Vegetarion Present? Wedand Hydrology Present? Hydric Solis Present?	Yes Na	is this Samoling Point Wi	

DATA FORM ROUTINE WETLAND DETERMINATION (1987 CDE Wetlands Delineation Manual)

Project/Site: July of California Carrections Proposition of California Departs Investigator: Sapphor Environmental, July Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situalis the area a potential Problem Area? (If needed, explain on reverse.)	Yes (Ng) Community (C):
Stratum Indicator Stratum Indicator Stratum Indicator Stratum Indicator Indicator County County County County Stratum Indicator Indicat	Onminant Stant Species Stratum Ingicator
DROLOGY Recorded Data (Describe in Remarks):Stream, Lake, or Tide GaugeAenai PhotographsOtherNo Recorded Data Available aid Observations: Death of Surface Water:	Wedand Hydrology Indicators: Primary Indicators: V Inundated Saturated in Upper 12 Inches Water Marks V Drift Lines Sediment Deposits V Orainage Patterns in Wetlands Secondary Indicators (2 or more reduced): Oxidized Root Channels in Upper 12 Inches Water-Stained Leaves Local Soil Survey Oata FAC-Neutral Test Other (Explain in Remarks)

(Series and Phase): _ Taxonomy (Subgroup	Prado	Dam		Oramage Co Field Obser Confirm M		Yes No
Profile Description: Depth (inches) Honzon D(8)	Metrix Calor IMunsed Moisti	Mottle Carars (Munseil Morst)	Martie Abundance	arConffest	Texture, Caner	
Reducin	ngedon		Cancretions High Organic C Organic Stream Usted on Local Listed on Natio Other (Explain)	ing in Sandv Hydne Soils nai Hydne Si	List	andv Solis
	IINATION	1				
ETLAND DETERM						
ETLAND DETERM Hydrognydd Vegetadd Wedend Hydrology Pr Hydrid Salis Present/		No	ls this Sampline	g Paint Withi	n a Wedand?	(Circle)

DATA FORM ROUTINE WEILAND DETERMINATION (1987 CDE Weilands Delinestion Manual)

Project/Site: State of California Corrections Proposition Proposit	operty in Chino	Date: 6 01 Caunty: 5 Bernidiab State: 6
o Normal Circumstances exist on the site? sithe site significantly disturbed (Atypical Situal sithe area a potential Problem Area? (If needed, explain on reverse.)	stion)? (es No. Yes (o	Community ID: Transact ID: 5
GETATION		3 muss wearg
Onlinent Plant Species Stratum Indicator		Stratum Indicator
MUSIN		
radon		
Wanilon people		
	·	
DROLOGY		
emarks:	✓ Water Ma	in deper 12 inches
DROLOGY Recorded Data (Describe in Remarks):Stream. Lake. or Tide GaugeAeriai PhotographsOtherNo Recorded Data Avadable	Primary Indicators: V Inundated Saturated Water Ma Onit Line Sectionant Orainage	in deper 12 inches incs s Decosits Patterns in Wedands
DROLOGY Recorded Data (Describe in Remarks):Stream. Lake. or Tide GaugeAeriai PhotographsOtherNo Recorded Data Avadable	Primery Indicators: V Inundated Saturated Water Ma V Onit Line Sectionant V Orainage Secondary Indicator Condized Water-Sto	in Upper 12 Inches rks 9 Decosits Factoris in Wedands 15 (2 or more required); Root Channels in Upper 12 Inches sined Lesves
PROLOGY Recorded Data (Describe in Remarks):Stream. Lake. or Tide GaugeAenia PhotographsOtherNo Recorded Data Avadable	Primery Indicators: V Inundated Saturated Water Ma V Onit Line Sectionant V Orainage Secondary Indicator Condized Water-Sto	in Goper 12 Inches rks Decosits Patterns in Wedands S (2 or more required); Root Channels in Goper 12 Inches sined Lesves Survey Cata
DROLOGY Recorded Data (Describe in Remarks):Stream. Lake. or Tide GaugeAenai PhotographsOtherNo Recorded Data Available end Observations: Death of Surface Water:	Primery Indicators: V Inundated Saturated Water Ma V Onit Line Sectionant V Orainage Secondary Indicator Condized Water-Sto Local Soil	in Goper 12 Inches rks Decosits Patterns in Wedands S (2 or more required); Root Channels in Goper 12 Inches sined Lesves Survey Cata
PROLOGY Recorded Data (Describe in Remarks):Stream. Lake. or Tide GaugeAenia PhotographsOtherNo Recorded Osta Avadable end Observations: Depth of Surface Water:On.) Depth to Free Water in At:(in.) Depth to Securated Soi:(in.)	Primery Indicators: V Inundated Saturated Water Ma V Onit Line Sectionant V Orainage Secondary Indicator Condized Water-Sto Local Soil	in Goper 12 Inches rks Decosits Factoris in Wedands (2 or more required); Root Channels in Goper 12 Inches sined Lesves Survey Oata (78) Test
Stream. Lake. or Tide Gauge Aerial Photographs Other No Recorded Cata Available Seid Observations: Capth of Surface Water: Capth to Free Water in Pit: (in.)	Primery Indicators: V Inundated Saturated Water Ma V Onit Line Sectionant V Orainage Secondary Indicator Condized Water-Sto Local Soil FAC-Neur	in Goper 12 Inches rks Decosits Factoris in Wedands (2 or more required); Root Channels in Goper 12 Inches sined Lesves Survey Oata (78) Test
PROLOGY Recorded Data (Describe in Remarks):Stream. Lake. or Tide GaugeAenial PhotographsOtherNo Recorded Data Avadable ieid Observations: Depth of Surface Water:On.) Depth to Free Water in At:(in.) Depth to Securated Soi:(in.)	Primery Indicators: V Inundated Saturated Water Ma V Onit Line Sectionant V Orainage Secondary Indicator Condized Water-Sto Local Soil FAC-Neur	in Goper 12 Inches rks Decosits Factoris in Wedands (2 or more required); Root Channels in Goper 12 Inches sined Lesves Survey Oata (78) Test

- 206 -

WTI. 1995

Series and Phase: Prad	o Dam		Orainage Reid Obs Confirm	Control of the Contro	Yes No
Profile Ceschodion: Decrin Matrix Color Inches) Honzon Munsed Mo		Calors all Moisti	Martie Abundance:Cantrast	Texture, Concre Situature, 110.	
Hyaria Sail Indicatora: Histosai Histosai Histosai Suifidic Odor Aduic Maisture Regim Reducing Canditions Gieyed or Low-Chromi		— 10 — 00 — 00	encredons on Organic Content in rganic Stressing in San stee on Local Hydric Sc stee on Nadonal Hydric ther (Explain in Ramark	ey Sous nis Ust Sous List	andy Solia
ETLAND DETERMINATION	Yes No	(Circle)			(Circle)
Hydrophydc Vegetation Present? Wedand Hydrology Present?	Yes Na	100	FOR 12 W 12 12 12 12 12 12 12 12 12 12 12 12 12		
Wedand Hydrology Present/ Hydric Sails Present/	Yes Na Yes Na	le	s this Sampling Point W	ithin a Wedand?	Yes No
Hydrophytic Vegetation Present? Wetland Hydrology Present? Hydric Solis Present? Remarks:		Jan 1	s this Sampling Point W	ithin a Wedand7	Yes No

Approved by mQUSACE 3/92

DATA FORM ROUTINE WETLAND DETERMINATION (1987 CDE Wetlands Delinestion Manual)

No.	, 12,
Project/Size: State of Collegenta Corrections Pro Applicant/Owner: State of Collegenta, Department Investigator: SAPPHOR ENVIRONMENTAL INC	into to General Services County: San Berniting
On Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situal is the area a potential Problem Area? . (If needed, explain on reverse.)	tions? Yes No Community ID: Transect ID: 8
GETATION	34.4 Denetus bed
Commant Plant Species Stratum Indicator	Comment Stant Species Stratum Indicator
Showfluce	10
Musad	11
WIGHY	12
i	13.
	14.
	15
	5
Temerks:	
PROLOGY Recorded Cata (Describe in Remarks);Stream. Lake, or Tide GaugeAenai PhotographsOtherNo Recorded Cata Avadable Geid Observedons: Death of Surface Water:	Wedand Hydrology Indicators: Primary Indicators: Vinundated Saturated in Upper 12 Indices Water Marks Vinit Lines Sediment Deposits Virginit Patterns in Wedands Secondary Indicators (2 or more reduced): Oxidized Root Channels in Upper 12 Indicators Water-Stained Leaves
Death to Free Water in Fit: (in.) Death to Seturated Soil: (in.)	Local Sail Survey Oata FAC-Neutral Test Other (Explain in Remarks)
Remarks:	
That #10-th	nill + D

SOILS Mee Unit Name Prado Dam (Sanes and Phase): Oramage Class: Fed Observations Taxonomy (Subgroup): Cantirm Magged Type? Yes No. Profile Description: Macris Calor Morte Calors Mortle Texture, Cancrettons, Depth (Munsell Maist) Abundance/Confrest Structure, etc. (inches) Honzon Munseil Moisti Hydrae Soil Indicators: Cancretons Histoso: High Organic Content in Surface Laver in Sandy Soils Hisac Épipedan Suifidic Odor Organic Streaking in Sandy Soils Aquic Moisture Regime Listed on Local Hydric Sons List Listed on Neconal Hydric Soils List Reducing Canditions Gleyed or Low-Chroma Calors Other (Explain in Remarks) Remarks: WETLAND DETERMINATION No (Circle) (Circle) Hydrophyde Vegetation Present? Yes Wedend Hydrology Present? Yes No is this Sampling Point Within a Wedand? Na Hydric Soils Present/ Yes Remarks: Approved by HQUSACE 3/92

100-2151 27

DATA FORM ROUTINE WEILAND DETERMINATION (1987 COE Wetlands Delineation Manual)

		, 2	
roject/Sice: State of Colfornia Corrections Proposicionary Owner: State of Colfornia, Deputarionestigator: SAPANOC ENVIRONMENTAL INC	and of General Services	Oste:	caidine
o Normal Circumstances exist on the site? the site significantly disturbed (Atypical Situal the area a potential Problem Area? (If needed, explain on reverse.)	tions? (Pas) No	Community ID: Transect ID: Plot ID:) <u>"</u>
GETATION	- 19	34.7 4 M	kinette
ercent of Dominant Species that are OBL FACW or FAC lexiculary FAC+.	9. 10. 11. 12. 13. 14. 15. 16.		
DROLOGY Recorded Data (Describe in Remarks): Stream, Lake, or Tide Gauge Aerial Photographs Other No Recorded Data Available	V Water Mark	l Upper 12 inches s	
Depth to Free Water in Pitt: Depth to Saturated Sou: (in.)	Secondary Indicators Oxidized Ro Water-Stair Local Sail S FAC-Neutra	ettems in Wedands (2 or more required); fot Channels in Upper and Leaves urvey Cata	12 Inches
emarks: (35.3°)	Dhubo#9-st	malfatt 7	

WTI. 1995

Map Unit Name Series and Phasel: Prad	o Dam	Oramage C Field Obse Cantirm	
Profile Description: Description Inches Henzon Matrix Calo Munsell Mo 1048	isti Munsell Moisti	Martie Abundance/Confrest	Texture, Cancretions, Sincture, 110.
Hydric Sail Indicators: Histosai Histos Estaedan Sulfidia Odar Aquia Maisture Regim Reducing Candidons Gleyed or Law-Chrom	• =	Cancretons High Organic Content in S Organic Streaking in Sand Listed on Local Hydric Sor Listed on National Hydric Other (Explain in Remarks	ns List Social List
Histosai Histosai Histosai Sulfidio Odor Aquio Moisture Regim Reducing Canditions Gleyed or Low-Chrom	a Colors	High Organic Content in S Organic Streaking in Sand Listed on Local Hydric Sor Listed on National Hydric	v Sons ns List Sonia List ii
Histoson Histoson Histoson Sufficie Odor Aquic Mossaire Regim Reducing Canditions Gleyed or Low-Chrom	Yes No (Circle)	High Organic Content in S Organic Streaking in Sand Listed on Local Hydric Sor Listed on National Hydric	v Sons ns List Sonia List ii
Histosal Histosal Histosal Histosal Sulfidio Odor Aquic Mossure Regim Reducing Canditions Gleyed or Low-Chrom Remarks: ETLAND DETERMINATION Hydrophydo Vegetadan Present? Wedand Hydrology Present?	Yes No (Circle)	High Organic Content in Sono Organic Streaking in Sano Listed on Local Hydric Son Listed on National Hydric Other (Explain in Remarks	v Sons ns List Sonia List ii
Histoson Histoson Histoson Sufficie Odor Aquic Mossaure Regim Reducing Canditions Gieved or Low-Chrom Remarkst ETLAND DETERMINATION Hydronyos Vegetation Present? Wedand Hydrology Present? Hydric Soils Present?	Yes No (Circle)	High Organic Content in Sono Organic Streaking in Sano Listed on Local Hydric Son Listed on National Hydric Other (Explain in Remarks	v Sons ns List Sonia List ii

MRCF ATAC ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)

Project/Site: True of Colfsenda Carrections Proposition Propositio	C. Scate:
s the site significantly disturbed (Atypical Situa s the area a potential Problem Area? . (If needed, explain on reverse.)	ation)? (es No Transect ID: 10
GETATION	11.87@ 593 my
Manual Saecies Stranum Indicator	Oominant Plant Species Stratum Indicator 9
mallow /2	11. 12.
	15.
ercent of Dominant Species that are OBL, FACW or FAC (excluding FAC+).	
ercent of Dominant Species that are OBL, FACW or FAC (excluding FAC+).	Wedand Hydrology Indicators: Primary Indicators: Inundated Saturated in Upper 12 Inches Water Marks Doitt Lines
ercant of Dominant Species that are OBL, FACW or FAC (excluding FAC+). amarks: DROLOGY Recorded Data (Describe in Remarks): Stream. Lake, or Tide Gauge Aenai Photographs Other No Recorded Data Available	Wedand Hydrology Indicators: Primary Indicators: Inundated Saturated in Upper 12 Inches Water Marks
PROLOGY Accorded Oats (Describe in Remarks): Stream. Lake. or Tide Gauge Aerial Photographs Other No Recorded Oats Available	Wedand Hydrology Indicators: Primary Indicators: Inundated Sacurated in Upper 12 Inches Water Marks Drift Lines Sediment Deposits Drainage Patterns in Wedands Secondary Indicators (2 or more required): Dadized Root Channels in Upper 12 Inches
ercant of Dominant Species that are OBL, FACW or FAC (excluding FAC+). amarks: DROLOGY Recorded Data (Describe in Remarks): Stream, Lake, or Tide Gauge Aenai Photographs Other No Recorded Data Available leid Observations: Death of Surface Water: Death to Free Water in Fit: lin	Wedand Hydrology Indicators: Primery Indicators: Inundated Sadurated in Upper 12 Inches Water Marks Onit Upper 12 Inches Sediment Deposits Orainege Fatterns in Wedands Secondary Indicators (2 or more required): Oxidized Root Channels in Upper 12 Inches Water-Stained Leaves Local Soil Survey Oats FAC-Neutral Test

Map Unit Name Series and Phasei:	o Dam	Oramage C Field Observed	
Profile Description: Description: Description: Matrix Calc. Municipal Monzon Municipal Monz		Martie Abundance/Contrest	Texture, Candrations, Sinucture, 40.
Histosei Histo Engedon Sulfidio Odor Aquid Maisture Regim Reducing Canditions Glayed or Low-Chromi	_	Cancretons High Organic Content in S Organic Streeking in Sand Listed on Local Hydric Soil Listed on National Hydric Other (Explain in Remarks)	is List Sods List
Histo Engedon Sulfidio Odor Aquid Moisture Regim Reducing Conditions Glayed or Low-Chromi	_	High Organic Content in S Organic Streeting in Send Listed on Local Hydric Soi Listed on Nadonal Hydric	v Sons Is List Sons List
Histo Engedon Sulfidio Odor Aquid Moisture Regim Reducing Conditions Gleyed or Low-Chromi	_	High Organic Content in S Organic Streeking in Send Listed on Local Hydric Soi Listed on Nadonal Hydric	v Sons is List Sonis List (Circle)
Histo Epipeden Sulfidio Odor Aquic Moisture Regim Reducing Canditions Glayed or Low-Chromi Remarks: ETLAND DETERMINATION Hydrophydic Vegetation Present? Wedend Hydrology Present? Hydric Salis Present? Remarks:	Yes No (Circle)	High Organic Content in S Organic Streeking in Send Listed on Local Hydric Soi Listed on Nadonal Hydric Other (Explain in Remarks	v Sons is List Sonis List (Circle)

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineadon Manual)

Project/Site: State of California Corrections Project/Site: State of California, Deputa	ent of General Services County: San Beautiet
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situal is the area a potential Problem Area? (If needed, explain on reverse.)	Yes (No) Flot ID:
AS.	12 Mets hest
Scratch of Comment Species that are OBL FACW of FAC	
DROLOGY	
Seconded Data (Describe in Semerka): Stream, Lake, or Tide Gauge Aenai Photographs Other No Seconded Data Available	Wedand Hydrology Indicators: Primary Indicators: Inundated Saturated in Upper 1.2 Inches Water Manks Onit Lines Sediment Deposits
Depth to Secureted Soil:	Drainage Patterns in Wetlands Secondary Indicators (2 or more reduired): Oxidized Root Channels in Uoper 12 Inches Water-Stained Leaves Local Soil Survey Octa FAC-Neutral Test Other (Explain in Remarks)
Remarks:	4
(427) Proto	#11-staxet 49

Saries and Phasei: V(ad	o Dam	Grainage C Field Chae Cantimus	
Profile Description: Death Matrix Calor Inches) Hanzon Munsel Ma		Martie Abundance:Contrest	Texture, Cancrellans, Structure, 466.
Hydric Soil Indicators: Histosoi Histo Epipedon Sulfidic Odor Aquic Moisture Regime Aeducing Canditions Glayed or Low-Chroma		ancregons Egn Organic Cantent in S Organic Screening in Sand Lated on Local Hydric Soi Lated on Nadonal Hydric Little (Explain in Remarks	s List Soils List
Hydroghydd Vegeradon Present/	Yes No (Circle) Yes No		(Circle)
Hydroghydd Vegetadon Present? Wedand Hydrology Present? Hydric Solis Present?	Yes No	is this Sampling Point Wi	
ETLAND DETERMINATION Hydrochydd Vegetation Present? Wedend Hydrology Present? Hydric Solis Present? Remarks:	Yes No	a this Sampling Point Wi	

DATA FORM ROUTINE WETLAND DETERMINATION (1987 CDE Wetlands Delineation Manual)

Project/Site: State of Coffeenia Corrections Pro Applicant/Owner: State of California, Deputa Investigator: SAPATOR ENVIRONMENTAL INC	operty in Chino Oate: (13/01 control Senere Services County: San Bernidine State: A
On Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situal Is the area a potential Problem Area? (If needed, explain on reverse.)	(No) Flot ID: 12a
EGETATION	12.96 6.48 Metes get
2. Composition 5. Composition 6. Composition 7. Composition 6. Composition 6. Composition 7. Composition 6. Composition	Opminant Flant Species Stranum Indicator
PROLOGY Recorded Data (Describe in Remarks): Stream, Lake, or Tide Gauge Aerial Photographs Other No Recorded Data Available Field Observations: Depth of Surface Water: 10 18 (in.)	Wedand Hydrology Indicators: Primary Indicators:
Death to Free Water in Pit: lin.: Death to Seturated Soil: lin.:	Water-Stained Leaves Local Soil Survey Oata FAC-Neutral Test Other (Explain in Remarks)
50.2) And # 19	,

SOILS Prado Dam Meo Unit Name Orainage Class: (Sames and Phase): Engineeración per Cantirm Magged Type? Yes No Taxonomy (Subgroup): Profile Description: Texture, Concretions. Matnx Caler Morde Calors Martie Depth Munsed Moistl AbungancerConffest Structure, etc. Munseil Moisti Honzon Hydrae Soil Indicators: Cancredons Histosol High Organic Content in Surface Laver in Sandy Soils Hisac Epidedan Organic Streaming in Sandy Soils Sulfidic Odor Listed on Local Hydric Soils List Aquic Moisture Regime Listed on Nadonel Hydric Soils List Reducing Conditions Other (Explain in Remarks) Gleyed or Low-Chrome Colors Remarks:

WETLAND DETERMINATION

100-8151 8.8

Hydroghydd Vegetation Present? Wedend Hydrology Present? Hydric Seiis Present?	Yes Yes Yes	Na Na Na	(Crete)	Is this Sampling Point Within a Wedand?	(Cir	Na Na
Remarks:				23/		3448
				Approved by mQUS	ACE 3/	92

OATA FORM ROUTINE WETLAND DETERMINATION (1987_CDE Wetlands Delineation Manual)

Project/Size: State of California Corrections Property Applicant/Owner: State of California, Depute Investigator: SAPPHOR ENVIOLENTAL IN	ropertagin Chino Oste: 6/3/01 county: Scare: Services Scare: CA Becarding
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situalis the area a potential Problem Area? . (If needed, explain on reverse.)	Yes No Community ID:
EGETATION	12.00 6.40 to Met
Stratum Indicator SMANUA MANUA MAN	Comment Plant Species Stratum Indicator 9.
PROLOGY Recorded Data (Describe in Remarks): Stream, Lake, or Tide Gauge Aeriai Photographs Other No Recorded Data Available	Wedand Hydrology Indicators: Primary Indicators: Vinundated Saturated in Upper 12 Inches Water Marks Orift Lines
Seath to Secureted Son: Depth of Surface Water: 205 in.1 Ceath to Secureted Son: in.1	Sediment Deposits Vorsinage Patterns in Wedlands Secondary Indicators (2 or more required); Oxidized Root Channels in Upper 12 Inches Water-Stained Leaves Local Soil Survey Oata FAC-Neutral Test Other (Explain in Remarks)
Remarks:	

Saries and Phasel:	rado D	am	Grainage C Field Obsert Confirm N	
rofile Description: lepth Mar nones! Hanzon My	tox Calor inael Moiati	Morge Calers Munsell Maistl	Martie Abundance:Contrest	Texture, Concretions, Structure, Mc.
ivano Soli Indicatora: Histora Histor Espoedo Sulficio Odor Aquio Moistur Reducing Can Gieyed or Low	e Regime		Concretions High Organic Content in S Organic Streaming in Sand Listed on Local Hydric Sol Listed on National Hydric Sol Other (Explain in Remarks	s lust Sonis List
- lydrochydd Vegetadon Pre	sent/ Yes	Ng (Circle)		(Circie)
E:LAND DE:ERMINA Hydrochydd Vegetadon Pre Wedand Hydrology Present Hydric Sous Present?	ssent? Yes		la this Sampling Point Wil	
Hydrochydd Vegetadan Pre Medand Hydrology Present	ssent? Yes	No	la this Sampling Point Wil	

DATA FORM ROUTINE WEILAND DETERMINATION [1987 CDE Weilands Delineation Manual)

(1987 CDE Wedano	is Delineation Manual)
Project/Site: State of Colfornia Corrections Pr Applicant/Owner: State of Colfornia, Deputa Investigator: Sapphor Environmental Inve	unto Tomere Service County: Say Beautist
On Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situal Is the area a potential Problem Area? . (If needed, explain on reverse.)	Yes No Community ID: Transect ID: To Plot ID:
EGETATION	11.18 5.89 m. west
Ominant Plant Species Strenum Indicator Majora Swa Auro	Dominant Plant Species Stretum Indicator 2. 10.
Maclin	11
Crabgrasi	12
	15.
ercent of Commant Species that are OBL, FACW or FAC (excluding FAC-).	
Remarks:	
DROLOGY	
Recorded Data (Describe in Remarka);Stream, Lake, or Tide GaugeAenei PhotographsOtherNo Recorded Oata Available	Wedand Hydrology Indicators: Primery (ngicators:
eid Observedons:	Sediment DepositsOrainage Patterns in Wedands Secondary Indicators (2 or more required);
Opoth of Surrace Water:	Oxidized Root Channels in Upper 12 Inches Water-Stained Leaves Local Soil Survey Oats
***************************************	FAC-Neutral Test
Depth to Saturated Soil:lin.1	Other (Explain in Remarks)
Depth to Saturated Soli:lin_1	Other (Emplain in Remarks)

SOILS Prado Dam Mee Unit Name Oramage Class: (Sames and Phasel: Feld Observations Cantirm Magged Type? Yes No Taxonomy (Subgroup): Profile Description: Texture, Concretions, Martie Metnx Calor Morte Calors Depth Abungance/Canmast Sinucture, etc. (Munsel Maist) Munseil Moisti Henzen fingnest_ Hydne Soil Indicators: Cancretons Histoso High Organic Content in Surface Laver in Sandy Soils Histor Estaedan Organic Streaming in Sandy Solis Suifidic Odor Listed on Local Hydric Solis Ust Aquic Moisture Regime Listed on Naconal Hydric Solis List Reducing Canditions Gieved or Low-Chroma Calors Other (Explain in Remarks) Remarks: WETLAND DETERMINATION (Circie) No (Circle) Hydrophytic Vegetation Present? Yes Wedned Hydrology Present? Yes No Yes No is this Sampling Point Within a Wedand? Hydric Sous Present/ You No Remerks:

Approved by HQUSACE 3/92

OATA FORM ROUTINE WETLAND DETERMINATION (1987 CDE Wetlands Delineston Manual)

			, 16,
Project/Sice: The of Colfornia C Applicant/Owner: State of Colf Investigator: SAPANOK ENVIRON	Fornic Departmen	Dot General Services Con	untv: A Beandine
On Normal Circumstances exist s the site significantly disturbed s the area a potential Problem A . (If needed, explain on reverse	d (Atypical Situati Area?	on!? Tra	mmunity 10: insect 10: t 10:
GETATION		(D, 33	5.41 met west
	rarum Indicator		Stratum Indicator
0 1		9	
- mulard			
!			
		15,	
		6.	
Percent of Dominant Species that are O (excluding FAC4). Remarks:			
lexiduding FAC4.	BL FACN of FAC		
lexiduding FAC4.			
texcluding FAC-1.	a):	Wedand Hydrology Indicator Primery Indicators: Vinundated Saturated in Universe Marks Vinit Lines	oper 12 Inches
PROLOGY Remarks: PROLOGY Recorded Data (Describe in Remark Stream, Lake, or Tide Gau Aerial Photographs Other No Recorded Data Available	a):	Primary Indicators:	oper 12 Inches esits ms in Wedands
PROLOGY Recorded Data (Describe in Remark Stream. Lake, or Tide Gau Aerial Photographs Other No Recorded Data Available	a):	Primary Indicators:	oper 12 Inches dists ms in Wedands or more reduced): Channels in Uoper 12 Inches
PROLOGY Remarks: PROLOGY Recorded Data (Describe in Remark: Stream, Lake, or Tide Gau Aerial Photographs Other No Recorded Data Available Reid Observations:	al: eqs	Primary Indicators:	oper 12 Inches dists ms in Wedands or more required): Channels in Upper 12 Inches Leaves rey Oata
PROLOGY Recorded Data (Describe in Remark:Stream. Lake. or Tide GauAerial PhotographsOtherNo Recorded Data Avaliable Reid Observations: Death of Surface Water:	13fin.J	Primary Indicators: Inundated Saturated in Unit Lines Sediment Georgian Patta Secondary Indicators (2 Didized Root Water-Stained	oper 12 Inches dists ms in Wedands or more reduced): Channels in Uoper 12 Inches Leaves rey Osta
PROLOGY Remarks: PROLOGY Recorded Data (Describe in Remark: Stream, Lake, or Tide Gau Aerial Photographs Other No Recorded Data Available Reid Observations: Death of Surface Water: Death to Free Water in Pitt	ie: ig= 	Primary Indicators: Inundated Saturated in Unit Lines Sediment Georgian Patta Secondary Indicators (2 Didized Root Water-Stained Local Soil Sun-	oper 12 Inches dists ms in Wedands or more reduced): Channels in Uoper 12 Inches Leaves rey Osta
PROLOGY Remarks: PROLOGY Recorded Data (Describe in Remark Stream, Lake, or Tide Gau Aerial Photographs Other No Recorded Data Available Field Observations: Death of Surface Water: Ceath to Free Weter in Pitt	ie: ig= 	Primary Indicators: Inundated Saturated in Unit Lines Sediment Georgian Patta Secondary Indicators (2 Didized Root Water-Stained Local Soil Sun-	oper 12 Inches dists ms in Wedands or more reduced): Channels in Uoper 12 Inches Leaves rey Osta

WTI. 1995

Series and Phasei:	lo Dam	Orainage C Field Obse Cantirm (
Profile Description: Description Description Matrix Calor Municipal Monzon Municipal Monzon DUL 3		Martie Abundande/Conffest	Texture, Concretions, Structure, etc.
Histoson Histoson Sulfidic Odor Aguic Moisture Regim Reducing Conditions Gieyed or Low-Chromi	· · · · · · · · · · · · · · · · · · ·	Concretions High Organic Content in S Organic Streeking in Sand Usted on Local Hydric Soil Listed on National Hydric Other (Explain in Remarks	s List Sois List
ETLAND DETERMINATION			-
Hydrophydd Vegetation Present? Wedand Hydrology Present?	Yes No (Circle) Yes No Yes No	Is this Sampling Point Wi	(Circle) thin 4 Wedend7 Yes No.
ETLAND DETERMINATION Hydrophydd Vegetation Present? Wedand Hydrology Present? Hydric Soils Present?	Yes No	ls this Sampling Point Wi	
ETLAND DETERMINATION Hydrophydd Vegetation Present? Wedand Hydrology Present? Hydric Salls Present? Remarks:	Yes No	is this Sampling Point Wi	

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wedands Delineation Manual)

Project/Sice: State of Collisionala Correct	Jona Prop	erta.	in China	Oste: _(12 13	01
Applicant Owner: State of California Investigator: SAPAHOK ENVIRONMENT	Deputant	7.46	eneral Service	County: State:	ZA 1	Bernidias
Do Normal Circumstances exist on the site significantly disturbed (Atypis the area a potential Problem Area? (If needed, explain on reverse.)		oni?	V ES NO	Commun Transect Plot ID:	ID: _	18 18u
EGETATION	11.19		5.69	meter	hest	enter
	I	_			_	
Ominant Plant Species Stratum			ni Pani Specie		Day and the same of the same o	
MANZ	22010011-1024		# 10			
yudin						
black curtian						
Smorried						
Mello						
emarks:						
DROLOGY Recorded Data (Describe in Remarks): Stream, Lake, or Tide Gauge Aerial Photographs Other No Recorded Data Available			Water M	d d in Upper 13 erss	Inches	
Depth of Surface Water:	gn.,	Sac	oncary Indicate	Patterns in V rs (2 or more Root Channe	required	
Death to Free Water in Pitt	(in.)		Water-S	sined Leaves ii Survey Oat		
Death to Seturated Soil:	(in.)			splam in Rem	ark51	
lemarks:						
Da 1 #20						

WTI. 1995

Mag Unit Name (Sames and Phase):	Prado K	am	Oramage C Reid Obser Confirm 6	
Profile Description: Destriction Sinches Hanzon (1) / (2)	Matrix Caler (Munsed Maist) Our 2 (2	Martie Calors 'Munseil Maist!	Martie AbundancerCantrest	Texture. Concretions. Structure, stc.
Reducing		Ξ	Candresons High Organic Cantent in S Organic Streeking in Sand Listed on Local Hydno Soi Listed on National Hydno Other (Explain in Remarks	is List Socia List
VETLAND DETERM	INATION			
Hydrophydd Vegetatio Wedand Hydrology Pre Hydric Solis Present?	sant/ Yes		ls this Sampling Point Wi	(Crcie) thin a Wedend? Yes No
Remarks:		,		24.

MACH ATAC NOITANIMESTED DALLEN MITTON (1987 CDE Wetlands Delineation Manual)

Project/Site: State of Collfornia Corrections Projections Owner: State of Collfornia, Department	spectra in Chino Date: 6/18/01
Investigator: SAPPHOR ENVIRONMENTAL TWO	Scare: A
On Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situalis the area a potential Problem Area? (If needed, explain on reverse.)	Yes (10) Flot ID:
EGETATION	11.48 to hest of contra
Dominant Plant Species Stratum Indicator	Dominant Pant Species Stratum Indicator
1. helicotor	9
= myoulley	10
2. SMurauca	11
- Mustad	12
s. Wallin	13
<u>. </u>	14
7	15
i	·5
PROLOGY	
Recorded Data (Describe in Remerks): Stream. Lake, or Tide Gauge Aena: Photographs Other No Recorded Data Available	Wedand Hydrology Indicators: Primary Indicators:
Feid Observations:	Sediment Deposits Drainage Patterns in Wetlands Secondary (ndicators (2 or more required):
Depth of Surface Weter:	Oxidized Root Channels in Upper 12 Inches Water-Staned Leaves
Geoth to Free Water in Pit:in.i	Local Soil Survey Osta
Depth to Saturated Soil:in.1	Other (Explain in Remarks)
Remerks:	
prot #19 (65.2)	

Series and Phasel: Prad	o Dam	Oramage C Feid Obser Canum (
Profile Geschodon: Depth Matrix Calor Inches) Honzon Munsed Ma		Abundanca/Contrest	Texture, Concretions, Structure, etc.
Hydria Soii Indicators: Histodo: Histodo: Sulfidio Odor Aquic Moisture Regime Reducing Conditions Gieyed or Low-Chrome		Cancretions High Organic Content in S Organic Streaming in Sand Listed on Nagonal Hydric Other (Explain in Remarks)	is Ust Sons List
Remarks:			
ETLAND DETERMINATION			(Circle)
Hydrophytic Vegetation Present? Wedend Hydrology Present? Hydric Solis Present?	Yes No (Circle) Yes No Yes No	s this Samoling Point Wi	
Remarks:	2.1		

101-8151 & F

OATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Werlands Delineation Manual

(1987 CDE Wedano	is Delinestion Manual)
Project/Site: The of Colfornia Corrections Pr Applicant/Owner: State of California, Deputa Investigator: SAPPHOR ENVIRONMENTAL, INC	ent of General Services County: San Bernidias
Oo Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situalis the area a potential Problem Area? . (If needed, explain on reverse.)	Yes No Community ID: Transect ID: 70 Yes No Plot ID: 200
	7.67 M. W
GETATION	15,34m
SWAND - Show Indicator	Opmnant Plant Species Stratum Indicator
	!4
	15
DROLOGY Recorded Data (Describe in Remarks): Stream. Lake. or Tide Gauge Aeriai Photographs Other No Recorded Data Available	Wedand Hydrology Indicators: Primary Indicators: Vinundated Saturated in Upper 12 Inches Water Marks Vinutes Sectionant Geopsits
Geoth of Surface Water:	Orainage Patterns in Wedands Secondary Indicators (2 or more required): V Oxidized Root Channels in Upper 12 Inches Water-Stained Leaves
Death to Free Water in Pitt(in.) Death to Securated Soil:(in.)	Local Soil Survey Oats FAC-Neutral Test Other (Explain in Remarks)
Remarks:	

- 206 -

43 [218-00]

Wedand Hydrology Present? Yes No	Ng.	Yes	vecons	Oramage Co Field Obser Cantirm N		^	Da	Prado	Name d Phase): (Subgroup):	Mep Unit M Series and Sexonomy
Histosol Histosol Histosol Histosol Histosol Histosol Surjace Epipedon Surjace Epipedon Surjace Epipedon Aquic Moisture Regime Heducing Conditions Gleyed or Low-Chroma Calors Histosol Histoso	5,			e:Conrest				Munsel Mais	300)esth
Histosol His		_		1				-	-	-
Histosol His	15		-		_					
Histosol Histosol Histosol Histosol Histosol Histosol Surjace Epipedon Surjace Epipedon Surjace Epipedon Aquic Moisture Regime Heducing Conditions Gleyed or Low-Chroma Calors Histosol Histoso	1. 1									
Hydrophytic Vegetation Present? Yes No (Circle) Wedand Hydrology Present? Yes No Is this Samoling Point Within a Wedand? Hydric Soils Present? Yes No Is this Samoling Point Within a Wedand?						_	Calors	Conditions	Gisyed o	Remarks:
Hydrophytic Vegetation Present? Yes No (Circle) Wedand Hydrology Present? Yes No Is this Sampling Point Within a Wedand? Hydric Soils Present? Yes No Is this Sampling Point Within a Wedand?						84.19	1			
Wedand Hydrology Present? Yes No la this Sampling Point Within a Wedend? Hydric Soils Present? Yes No la this Sampling Point Within a Wedend? Remarks:	(Circle)	(0				(Circle)	Yes !	in Present?	tic Vegetatio	Hydrophy
Remarks:	es No	Ye	chin e Weders?	ing Paint Wit	la this Sampi		7,77	esent/	Hydralogy Pr	Wedand)
										Remarks:

DATA FORM ROUTINE WETLAND DETERMINATION (1987 CDE Wetlands Delineation Manual)

Project/Site: State of Colfornia Applicant/Owner: State of Colfornia Investigator: SAPPHOR KNID	difernia Departme	at a General Services Count	C/3/01 Ex Bernidino
Do Normal Circumstances exi s the site significantly disturc s the area a potential Problem . (If needed, explain on reve	oed (Atypical Situat n Area? rse.)	tion)? (fest No Trans Yes (No Plot II	
GETATION	12.10	6.10	metr auto
Mutural Mutural		Dominant Plant Species 9	
DROLOGY Recorded Data (Describe in Rema Stream, Lake, or Tide C Aenai Photographs Other No Recorded Data Available Teid Observedons: Depth of Surface Water: Depth to Free Water in Fit: Depth to Secureted Son:		Wedand Hydrology Indicators: Primery Indicators: Inundated Saturated in Uppe Water Marks Onit Lines Sediment Decosits Oreinage Patterns Secondary Indicators (2 or n Oxidized Root Che Water-Steined Les Local Soil Survey FAC-Neutral Test Other (Explain in 6	in Wedands fore reduired); mnels in Upper 12 Inches lives Oats
omersa:			

WTI, 1995

Men Unit Name Series and Phasei: Prad Faxonomy (Subgroup):	o Dam	Orainage C Seid Obse Candirm (the state of the s
Profile Occupation: Depth Marinx Calor Indicates) Honzon Munsel Mo LOUP		Mome Abundance/Contrest	Texture, Canerations, Sinucture, Mc.
Hydria Soil Indicators: Histosa Histosa Histosa Sulfidia Color Aquia Maistura Regim Reducing Canditions Gieved or Low-Chroms	• =	Concretions fign Organic Content in S Organic Streaking in Sand Listed on Cocsi Hydric Soi Listed on National Hydric Citted (In National Hydric Citter (Explain in Remarks	ns List Sods List
Histosei Histosei Histosei Histosei Sulfidic Odor Aquic Moisture Regim Reducing Canditions Gieved or Low-Chroms Remarks:	• =	tign Organic Cantent in S Organic Streaking in Sand Jisted on Local Hydric Soi Jisted on National Hydric	rv Sais ils List Soils List ir
Histo Epipedon Sulfidie Odor Aquic Maisture Regim Reducing Canditions	Yes No (Crete)	tign Organic Cantent in S Organic Streaking in Sand Jisted on Local Hydric Soi Jisted on National Hydric	v Sais is List Sois List ir
Histoso Histoso Histoso Sulfidic Odor Aquic Maisture Regime Reducing Canditions Gieved or Low-Chromis Remarks: ETLAND DETERMINATION Hydrophytic Vegetation Present? Wedend Hydrology Present? Hydric Soils Present?	Yes No (Crelei Yes No	tign Organic Cantent in S Organic Streaking in Sand astad on Cocal Hydric Soi astad on Nadonal Hydric Other (Explain in Remarks	v Sais is List Sois List ir
Histoso Histoso Histoso Sulfidic Odor Aquic Moisture Regime Reducing Canditions Gieved or Low-Chroma Remarks: ETLAND DETERMINATION Hydrophytic Vegetzeon Present/ Wedend Hydrology Present/	Yes No (Crelei Yes No	tign Organic Cantent in S Organic Streaking in Sand astad on Cocal Hydric Soi astad on Nadonal Hydric Other (Explain in Remarks	v Sais is List Sois List ir

OATA FORM ROUTINE WETLAND DETERMINATION 11987 COE Wedlands Delineation Manual

Project/Site: Jtobe of Colfornia C ApplicanuOwner: State of California Investigator: Sapping Environment	enia Deputin	perty in China Date: 6/3/01 att of General Services Country: San Beautino State: A	
on Normal Circumstances exist on the site significantly disturbed the area a potential Problem A (If needed, explain on reverse)	(Atypical Situat rea?	Yes No Community ID: tioni? (es) No Transect ID: 22 Yes (No) Plot ID: 22	
GETATION		9.08 m had Center Dela	w
Outaus	rum Indicator	Dominant Plant Species Stratum Indicator	
syntheed		10.	
musera		11	
hack illian		12	
		14,	
		15.	1
		15	
ercent of Dominant Species that are OB excluding FAC-1.	L FACN or FAC		
emarks:			
		Wedand Hydrology Indicators: Primary Ingicators: Inundated Seturated in Upper 12 Inches Water Marks Unit Lines	
DROLOGY _Recorded Data (Describe in Remarks:Stream. Lake. or Tide Gaug Aenai Photographs: Other No Recorded Data Available		Primary Indicators: Inundated Saturated in Upper 12 Inches Water Marks Onft Lines Sediment Deposits Orainage Patterns in Wedands	
DROLOGY _Recorded Data (Describe in Remarks:Stream. Lake. or Tide Gaug Aenai Photographs: Other No Recorded Data Available		Primary Indicators: Inundated Saturated in Upper 12 Inches Water Marks Onft Lines Sediment Deposits Orainage Patterns in Wedands Secondary Indicators (2 or more required): Oxidized Root Channels in Upper 12 Inches	
DROLOGY Recorded Data (Describe in Remarks:Stream. Lake, or Tide GaugeAerial Photographs:OtherNo Recorded Data Available		Primary Indicators: Inundated Saturated in Upper 12 Inches Water Marks Onft Lines Sediment Deposits Orainage Patterns in Wedands Secondary Indicators (2 or more required):	
DROLOGY Recorded Data (Describe in Remarks: Stream, Lake, or Tide Gauge Aerial Photographs Other No Recorded Data Available and Observedons: Deoth of Surrace Water:	18 (n.)	Primary Indicators: Inundated Saturated in Upper 12 Inches Water Marks Onit Lines Sediment Deposits Orainage Patterns in Wedands Secondary Indicators (2 or more required): Water-Stained Leaves	
Stream, Lake, or Tide Gauge Aerial Photographs Other No Recorded Data Available ield Observations: Depth of Surface Water: Depth to Free Water in Fitt	18 (n.)	Primary Indicators: Inundated Saturated in Upper 12 Inches Water Marks Unit Lines Sediment Deposits Orainage Patterns in Wedands Secondary Indicators (2 or more required): Oxidized Root Channels in Upper 12 Inches Water-Stained Leaves Local Sail Survey Oats FAC-Neutral Test	

WTI, 199

- 206 -

100-8131 24

Sanes and Phasel:	do D	am	10	Orainage C Field Obser Conform /		Yes No
Provide Description: Description Descripti	Caler H Marsti 23/2	Martie Calors Munseil Moist)	Martie Abundance	rContrest	Texture, Cano Structure, etc	
Hvene Sail Indicators: Histosol Histo Ecipedon Sulfidio Odor Aduic Moisture Re Reducing Candido Gleyed or Law-Ch	ns		Cancredons High Organic C Organic Stream Listed on Local Listed on Nado Other (Explain	ng in Send Hydric Soi nei Hydric	is Ust Sails List	Sanav Solis
	n.					
ETLAND DETERMINATIO						
		No (Circle) No No	ls this Samplin	ng Paint Wi	thin a Wedand?	(Circle) Yes No
VEILAND DETERMINATION Hydrophydic Vegetation Present Wedand Hydrology Present Hydric Soils Present Remarks:	c? Yes Yes	Na	ls this Samplin	ig Paint Wi	thin a Wedand?	

DATA FORM ROUTINE WETLAND DETERMINATION (1987, COE Wetlands Definestion Manual)

Project/Sice: Flate of Colffeenla Corrections Pro	perty in Chino Oste: 6/3/01
Investigator: SAPPHOT ENVICONMENTAL TWO	State: A
On Normal Circumstances exist on the site? is the site significantly disturbed (Atypical Situal situal area a potential Problem Area? (If needed, explain on reverse.)	Yes (No) Cammunity ID:
13.	23 M West of UN
GETATION	7.12m
Commant Plant Species Strangm Indicator	Quantitative Sacres Stratum Indicator
date of the way	
adih	9
Mand	10
MUNINO	11
managasi	12
Hall willand	13
home	
1 mbnetla anss	15.
LIVIONENA ANISS	5
lexicuding FAC4.	
lexicuding FAC4.	
lexcluding FAC-).	
PROLOGY Recorded Osta (Describe in Remarks):	Wedand Hydrology Indicators:
DROLOGY Recorded Data (Describe in Remarks):Stream, Lake, or Tida Gauge	Wedand Hydrology Indicators: Primary (pdicators: Vinundated
DROLOGY Recorded Data (Describe in Remarks): Stream, Lake, or Tide Gauge Aerial Photographs Other	Primary (policators: V Inundated
DROLOGY Recorded Data (Describe in Remarks):Stream, Lake, or Tide GaugeAerial Photographs	Primary (policators:
DROLOGY Recorded Data (Describe in Remarks): Stream, Lake, or Tide Gauge Aerial Photographs Other No Recorded Data Available	Primary (policators: V Inundated Saturated in Upper 12 Inches Water Marks Onit Lines Sediment Opposits
DROLOGY Recorded Data (Describe in Remarks): Stream, Lake, or Tide Gauge Aerial Photographs Other No Recorded Data Available	Primary (policators: V Inundated Saturated in Upper 12 Inches Water Marks Onit Lines
DROLOGY Recorded Data (Describe in Remarks):Stream, Lake, or Tide GaugeAerial PhotographsOtherNo Recorded Data Available	Primary (pdicators: V Inundated Saturated in Upper 12 Inches Water Marks Onit Lines Rediment Deposits Orainage Patterns in Wedands Secondary Indicators (Z or more required): Oxidized Root Channels in Upper 12 Inches
DROLOGY Recorded Data (Describe in Remarks):Stream, Lake, or Tide GaugeAerial PhotographsOtherNo Recorded Data Available	Primary (pdicators: Inundated
DROLOGY Recorded Data (Describe in Remarks):Stream, Lake, or Tide GaugeAerial PhotographsOtherNo Recorded Data Available Teid Observedons: Depth of Surface Water: Depth to Free Water in Pit:in.;	Primary (pdicators: Inundated
DROLOGY Recorded Data (Describe in Remarks):Stream, Lake, or Tide GaugeAerial PhotographsOtherNo Recorded Data Available field Observations: Depth of Surface Water: Depth of Surface Water:	Primary (pdicators: V Inundated Saturated in Upper 12 Inches Water Marks Onit Lines Sediment Deposits Orainage Patterns in Wedands Secondary Indicators (Z or more required): Water-Stained Leaves Local Soil Survey Oats
TOROLOGY Recorded Data (Describe in Remarks): Stream, Lake, or Tida Gauge Aerial Photographs Other No Recorded Data Available Field Observations: Death of Surface Water: Death to Free Water in Fit: Death to Sexurated Soil: (in.)	Primary (policators: V Inundated Saturated in Upper 12 Inches Water Marks Onit Lines Sediment Deposits Orainage Patterns in Wedands Secondary Indicators (Z or more required): Oxidized Root Channels in Upper 12 Inches Water-Stained Leaves Local Soil Survey Oata FAC-Neutral Test
DROLOGY Recorded Data (Describe in Remarks): Stream, Lake, or Tide Gauge Aerial Photographs Other No Recorded Data Available Seld Observations: Depth of Surface Water: Depth to Free Water in Pit: Depth to Seturated Soil: (in.)	Primary (pdicators: Inundated
TOROLOGY Recorded Data (Describe in Remarks): Stream, Lake, or Tida Gauge Aerial Photographs Other No Recorded Data Available Field Observations: Depth of Surface Water: Depth to Free Water in Pit: Depth to Saturated Spil: (in.)	Primary (policators: V Inundated Saturated in Upper 12 Inches Water Marks Onit Lines Sediment Deposits Orainage Patterns in Wedands Secondary Indicators (Z or more required): Oxidized Root Channels in Upper 12 Inches Water-Stained Leaves Local Soil Survey Oata FAC-Neutral Test
PROLOGY Recorded Data (Describe in Remarks):Stream, Lake, or Tide GaugeAerial PhotographsOtherNo Recorded Data Available Field Observations: Death of Surface Water: Death to Free Water in Fit: Death to Seturated Soil: Commerks:	Primary (policators: V Inundated Saturated in Upper 12 Inches Water Marks Onit Lines Sediment Deposits Orainage Patterns in Wedands Secondary Indicators (Z or more required): Oxidized Root Channels in Upper 12 Inches Water-Stained Leaves Local Soil Survey Oata FAC-Neutral Test
TOROLOGY Recorded Data (Describe in Remarks): Stream, Lake, or Tida Gauge Aerial Photographs Other No Recorded Data Available Field Observations: Death of Surface Water: Death to Free Water in Fit: Death to Sexurated Soil: (in.)	Primary (policators: V Inundated Saturated in Upper 12 Inches Water Marks Onit Lines Sediment Deposits Orainage Patterns in Wedands Secondary Indicators (Z or more required): Oxidized Root Channels in Upper 12 Inches Water-Stained Leaves Local Soil Survey Oata FAC-Neutral Test

- 206 -

Map Unit Name Saries and Phases: Prad	o Dam	Orainage C Field Obse Contimus	
Profile Description: Depth Matrix Color Inches Monzon Munsell Mo	Munsel Maistl	Martie Abundance/Contrast	Texture, Cancredons, Structure, 410.
Hydric Sail Indicerore: Histosai Histo Ebioedan		Concretions High Organic Content in S	Sandy Sandy
Sulfidio Odor Aquio Moisture Regime Reducing Conditions Gleyed or Low-Chroma	<u>-</u>	Organic Streaming in Sand Listed on Local Hydric Soi Listed on National Hydric Other (Exclain in Remarks	iv Soils ils List Soils List
Sulfidic Odor Aquic Moisture Regime Reducing Conditions Gleyed or Low-Chroma Remarks: ETLAND DETERMINATION Hydrophydd Vegetation Present?	<u>-</u>	Organic Streaking in Sand Listed on Local Hydric Son Listed on Nadonal Hydric Other (Explain in Remarks	is List Soria List
Sulfidic Odor Aduic Moisture Regime Reducing Conditions Gleyed or Low-Chroma Remarks: ETLAND DETERMINATION Hydrophyde Vegetation Present? Wedand Hydrophyd Present? Hydric Solis Present?	Yes No (Circle)	Organic Streaming in Sand Listed on Local Hydric Son Listed on National Hydric	is List Soria List
Suifidic Odor Advic Moisture Regime Reducing Conditions	Yes No (Circle)	Organic Streaking in Sand Listed on Local Hydric Son Listed on Nadonal Hydric Other (Explain in Remarks	is List Soria List

DATA FORM ROUTINE WETLAND DETERMINATION

Investigator: SAPPING ENV On Normal Circumstances of Is the site significantly distri- is the area a potential Prob-	exist on the site? urbed (Atypical Situa	Yes 😡	Community ID: 291 Transect ID: 294
(If needed, explain on re	verse.) 16.45		unt of centr
2. AMMO MILLER E. Colich E. UN (Character)		9. 10. 11. 12. 13. 14.	Stratum Indicator
fercent of Comment Species that (excluding FAC-). Remarks:		. 6	
Fercent of Comment Species that (excluding FAC-).	are OBL FACW or FAC	Wedand Hydrology India Primary Indicators: Vinundated Saturated Water Mac Onit Lines Sediment Orainage if Secondary Indicator Oxidized if Water-Sta Local Soil FAC-Neutr	in Upper 12 Inches rks Opposits Patterns in Wedands a (2 or more recuired); Root Channels in Upper 12 Inche

SOILS Med Unit Name Prado Dam Oranage Cass: (Saries and Phase): Feid Observegens Cantirm Mapped Type? Yes No. Taxonomy (Subgroup): Profile Description: Texture. Concretions. Metnx Calor Morte Calors Mortie Depth AbundancerConfrast Structure, stc. (Munsel Maist) (Munseil Moist) Honzon Hydria Sail Indicators: Concretions Histosol High Organic Content in Surface Laver in Sandy Soils Histo Esipedan Organic Streaming in Sancy Soils Suifidic Odor Listed on Local Hydric Soils List Aquic Moisture Regime Listed en Naconal Hydric Solis List Reducing Conditions Other (Explain in Remarks) Gieved or Law-Chroma Colors Remarks:

WETLAND DETERMINATION

100-8151 E.H

V	
	ingroved by #0USACS

WTI, 1995

13.

DATA FORM ROUTINE WETLAND DETERMINATION (1987, COE Wedlands Delineation Manual)

Project/Sice: State of California Corrections Proposiciono Owner: State of California Deputa	operta in Chino Date: 6/13/01
applicant/Owner: State of Calibraia, Deputa	unt of General Services County: Jan Bernidias
nvestigator: JAPPHOL KNILDONMENTAL TWO	
o Normal Circumstances exist on the site?	Yes Community ID:
s the site significantly disturbed (Atypical Situa	
s the area a potential Problem Area?	Yes (a) Plot ID: 23 00
(If needed, explain on reverse.)	
11 .~.	1.50 TR al 1.101/2 at 10
16.0	a - a. Cholo well of the
GETATION	5.08 Delinean celtotenson
Ominant Plant Species Stratum Indicator	Common Plant Species Stratum Indicator
amandlar	9
Autina raismosa	I I
1	10
MUHARA	11
cattails	12
Swatuel	13
· raduh	14
bromus	15
· Mallie	6
	A 100 miles
	, 4 ²⁵⁷ c. 1 c. 1 c. 1 c. 1 c. 1
DROLOGY	, 4 ²⁵⁷
PROLOGY Recorded Data (Describe in Remarks):	Wedand Hydrology Indicators:
Recorded Data (Describe in Remarks):Stream, Lake, or Tide Gauge	Primary Indicators:
Recorded Data (Describe in Remarks): Stream, Lake, or Tide GaugeAeriai Photographs	Primary Indicators: V Inundated
Recorded Data (Describe in Remarks):Stream, Lake, or Tide Gauge	Primary Indicators:
Recorded Data (Describe in Remarks): Stream, Lake, or Tide Gauge Aeriai Photographs Other	Primary Indicators: V Inundated Saturated in Goper 12 Inches Water Marks Onit Lines
Recorded Data (Describe in Remarks): Stream, Lake, or Tide Gauge Aeriai Photographs Other No Recorded Data Available	Primary Indicators: V Inundated Saturated in Upper 12 Inches Water Marks Onit Lines Sediment Deposits
Recorded Data (Describe in Remarks): Stream, Lake, or Tide Gauge Aeriai Photographs Other No Recorded Data Available	Primary Indicators: V Inundated Saturated in Goper 12 Inches Water Marks Onit Lines
Recorded Data (Describe in Remarks): Stream, Lake, or Tide Gauge Aeriai Photographs Other No Recorded Data Available	Primary Indicators: V Inundated Saturated in Upper 12 Inches Water Marks Onft Lines Sediment Deposits Orainage Patterns in Wedands Secondary Indicators (2 or more required): Oxidized Root Channels in Upper 12 Inches
Recorded Data (Describe in Remarks): Stream, Lake, or Tide Gauge Aerial Photographs Other No Recorded Data Available Feld Observations: Oapth of Surrace Weter:	Primary Indicators: V Inundated Saturated in Upper 12 Inches Water Marks Vonit Lines Sediment Deposits Vorainage Patterns in Wedands Secondary Indicators (2 or more required): Sediment Deposits Vater-Stained Leaves
Recorded Data (Describe in Remarks): Stream, Lake, or Tide Gauge Aeriai Photographs Other No Recorded Data Available	Primary Indicators: V Inundated Saturated in Upper 12 Inches Water Marks Onft Lines Sediment Deposits Orainage Patterns in Wedands Secondary Indicators (2 or more required): Oxidized Root Channels in Upper 12 Inches
Recorded Data (Describe in Remarks): Stream, Lake, or Tide Gauge Aeriai Photographs Other No Recorded Data Available Seid Observations: Depth of Surrace Weter:	Primary Indicators: V Inundated Saturated in Upper 12 Inches Water Marks Vonit Lines Sediment Deposits Vorainage Patterns in Wedands Secondary Indicators (2 or more required): Oxidized Root Channels in Upper 12 Inches Water-Stained Leaves Local Soil Survey Oata
Recorded Data (Describe in Remarks): Stream, Lake, or Tide Gauge Aerial Photographs Other No Recorded Data Available Feld Observations: Death of Surface Water: Death to Free Water in Att Death to Saturated Sou: in 1	Primary Indicators: / Inundated Saturated in Upper 1.2 Inches/ Water Marks Onft Lines Sediment Deposits Orainage Patterns in Wedands Secondary Indicators (2 or more required): Oxidized Root Channels in Upper 1.2 Inches Water-Stained Leaves Local Soil Survey Oata FAC-Neutral Test
Recorded Data (Describe in Remarks): Stream, Lake, or Tide Gauge Aerial Photographs Other No Recorded Data Available Field Observations: Cepth of Surface Water: (in.)	Primary Indicators: / Inundated Saturated in Upper 1.2 Inches/ Water Marks Onft Lines Sediment Deposits Orainage Patterns in Wedands Secondary Indicators (2 or more required): Oxidized Root Channels in Upper 1.2 Inches Water-Stained Leaves Local Soil Survey Oata FAC-Neutral Test
Recorded Data (Describe in Remarks): Stream, Lake, or Tide Gauge Aerial Photographs Other No Recorded Data Available Feid Observations: Oatith of Surface Water: Death to Free Water in Pit: Dauth to Saturated Son:	Primary Indicators: / Inundated Saturated in Upper 1.2 Inches/ Water Marks Onft Lines Sediment Deposits Orainage Patterns in Wedands Secondary Indicators (2 or more required): Oxidized Root Channels in Upper 1.2 Inches Water-Stained Leaves Local Soil Survey Oata FAC-Neutral Test
Recorded Data (Describe in Remarks): Stream, Lake, or Tide Gauge Aerial Photographs Other No Recorded Data Available Feid Observations: Oatith of Surface Water: Death to Free Water in Pit: Dauth to Saturated Son:	Primary Indicators: / Inundated Saturated in Upper 1.2 Inches/ Water Marks Onft Lines Sediment Deposits Orainage Patterns in Wedands Secondary Indicators (2 or more required): Oxidized Root Channels in Upper 1.2 Inches Water-Stained Leaves Local Soil Survey Oata FAC-Neutral Test
Recorded Data (Describe in Remarks): Stream, Lake, or Tide Gauge Aerial Photographs Other No Recorded Data Available Feld Observations: Death of Surrace Water: Death to Free Water in Pit: Death to Saturated Son: Semants:	Primary Indicators: / Inundated Saturated in Upper 1.2 Inches/ Water Marks Onft Lines Sediment Deposits Orainage Patterns in Wedands Secondary Indicators (2 or more required): Oxidized Root Channels in Upper 1.2 Inches Water-Stained Leaves Local Soil Survey Oata FAC-Neutral Test
Recorded Data (Describe in Remarks): Stream, Lake, or Tide Gauge Aeriai Photographs Other No Recorded Data Available Seld Observations: Depth of Surface Water: Depth to Free Water in Pit: Depth to Secureted Sou: in 1	Primary Indicators: / Inundated Saturated in Upper 1.2 Inches/ Water Marks Onft Lines Sediment Deposits Orainage Patterns in Wedands Secondary Indicators (2 or more required): Oxidized Root Channels in Upper 1.2 Inches Water-Stained Leaves Local Soil Survey Oata FAC-Neutral Test

Series and Phasel:	rado X	Dam		Cass: servacions n Mapped Type/ Yes No
Profile Geschotion: Depth Ma	OURS/1	Martie Calars		Texture, Cancretions, Situature, 410.
Hydrie Soil Indicators: Histosoi Histo Esiped Suifidic Ocor Aquic Moista	uro Regime Inditions		Cancrecons High Organic Cantent in Organic Streaking in Se Listed on Local Hydno S Listed on National Hydno Other (Explain in Remar	laris List le Salle List
Reducing Car V Gieved or Lo CWY- Remarks:	Law olay	4/ioy		
Gieved or Lo Remarks: ETLAND DETERMINA Hydrophydic Vegetenon Pr	ATION	Na (Cross)	Is this Samoling Point	(Circie)
Remarks: Remarks: Hydrophytic Vegetenon Preserved Hydrophytic Vegetenon Preserved Hydrology Preserved Hy	ATION Tement? Yes	Na (Crose)		(Circie)
Remarks: Remarks: ETLAND DETERMINA Hydrophytic Vegetation Pr Wedend Hydrology Preser Hydric Soils Present?	ATION Tement? Yes	Na (Crose)		(Circie)
Remarks: Remarks: /ETLAND DETERMINA Hydrophytic Vegetation Pr Wedend Hydrology Preser Hydric Soils Present?	ATION Tement? Yes Yes	Na (Crose)		(Circie)

DATA FORM ROUTINE WETLAND DETERMINATION (1987 CDE Wetlands Delineation Manual)

On Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situs the area a potential Problem Area? (If needed, explain on reverse.)	Yes (8a) Plat ID: 2100
VEGETATION	8.12 nest of center hole
Dominant Plant Species Stratum Indicator 1: Michael - Mustard - Mustard - Warrinton a Roberta 5. 6.	Dominant Plant Species Stratum Indicator
7 8 Fercent of Dominant Species that are OSL FACW or FAC (excluding FAC-). Remarks:	· 6
Fercent of Dominant Species that are OSL FACW or FAC (excluding FAC-). Remarks: HYDROLOGY Recorded Data (Describe in Remarks): Stream, Lake, or Tide Gauge: Aerial Photographs	Wedand Hydrology Indicators: Primary Indicators:
Fercent of Dominant Species that are OBL FACW or FAC (excluding FAC-). Remarks: HYDROLOGY Recorded Data (Describe in Remarks): Stream, Lake, or Tide Gauge	Wedand Hydrology Indicators: Primary Indicators:

- 205 -

WT1, 1995

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)

nvestigator: APPHor END On Normal Circumstances of the site significantly distributed by the area a potential Problem (If needed, explain on re-	exist on the site? urbed (Atypical Situal iem Area? iverse.)	tion:? (65 No Transect I Yes (60 Plot ID:	0: 25 25a
GETATION	19.7	7.36 M. 7.36 Deli	west st co
1		Opminant Plant Species 9	
MEMain		11	
Proton rosnia		13	
lexcluding FAC4.	sre OBL FACW or FAC		
lexcluding FAC4.	sere OBL FAC'N or FAC		+
lexcluding FAC-).	emarka):	Wedard Hydrology Indicators: Primary Indicators: Inundated Saturated in Doper 12 Vater Marks Jorit Lines	nanes
Stream, Lake, or Tid Aeriai Photographs Other	emarka):	Primary Indicators: Inundated Saturated in Hoper 12	edands recured); in Upper 12 Inches

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Defineation Manual)

s the site significantly disturbed (Atypical s the area a potential Problem Area? . (If needed, explain on reverse.)	Yes (10) Plot ID: 28c-1
GETATION	7.31 M west of w
Commant Plant Species Stratum Indic	
Maella gass	
actimosa dospuer	11,
the tobacco	1Z
Mutad	
. vaclush	[- TO TO SOM
·	
lemerks:	
mnor oov	
DROLOGY	
Recorded Data (Describe in Remarks): Stream, Lake, or Tide GaugeAeriai PhotographsOtherNo Recorded Osta Available	Wedand Hydrology Indicators: Primary Indicators: Inundated Saturated in Upper 12 Inches Weter Marks J Orift Lines
Recorded Data (Describe in Remarks);Stream, Lake, or Tide GaugeAerial PhotographsOther	Primary (polestors: Inundated Saturated in Upper 12 Inches Water Marks Jorift Lines Sediment Deposits Drainage Patterns in Wetlands Secondary (ndicators (2 or more required): Oxidized Root Channels in Upper 12 Inches
Recorded Data (Describe in Remarks): Stream, Lake, or Tide Gauge Aerial Photographs Other No Recorded Data Available	Primary (polestors: Inundated Saturated in Upper 12 Inches Water Marks Jorift Lines Sediment Deposits Drainage Patterns in Wetlands Secondary (ndicators (2 or more required): Oxidized Root Channels in Upper 12 Inches Water-Stained Leaves Local Soil Survey Oats
Recorded Data (Describe in Remarks): Stream, Lake, or Tide Gauge Aeriai Photographs Other No Recorded Data Available Geoth of Surface Water:	Primary (noicetors: Inundated Seturated in Upper 1.2 Inches Water Marks Jorift Lines Sediment Deposits Drainage Patterns in Wedands Secondary (noicetors (2 or more required): Oxidized Root Channels in Upper 1.2 Inches Water-Stained Leaves

100-5151 2.7

Mag Unit Name Series and Phasel: Exonomy (Subgroup):	ado D	am	Oramage C Field Obse Confirm		es No
Name of the second	tx Cater racel Moust!	Mortie Calors (Munsel Maist)	Mortie Abundance/Contrest	Fexture, Canere Structure, 116.	oons,
Histosor Histo Ecopedon Sulfidio Ocor Aquic Maisture Reducing Condi Gleyed or Low-	Regime	=======================================	Sanctations High Organic Cantent in S Organic Streaming in Sand Listed on Local Hydric Soi Listed on National Hydric Other (Explain in Romarks	ry Soris ris List Soris List	indv Solis
ETLAND DETERMINAT	TON				
Hydrophytic Vegetation Pros Wedand Hydrology Present/ Hydric Soils Present/		No (Creel No No	Is this Sampling Point Wi	thin a Wedena7	(Circle) Yes No
Remarks:					

DATA FORM ROUTINE WETLAND DETERMINATION (1987 CDE Wetlands Delineation Manual)

o Normal Circumstances exist on the site? sithe site significantly disturbed (Atypical Situal the area a potential Problem Area? . (If needed, explain on reverse.)	Yes No Plot ID: 27a	-
77.63 GETATION	2. Selv	6-14.0 rustur
Vanyana ntubu	Oammant Plant Species Stretum Indicator 9.	
radin	11	
·	12	
	; a	-
	15	-
	6.	- 3
ercent of Dominant Spacies that are OBL FACN or FAC (excluding FAC-).	· 6.	-
(excluding FAC-).		
(excluding FAC-).	Wedand Hydrology Indicators: Primary Indicators: Inundated Saturated in Upper 12 Inches Water Marks Orift Lines	
DROLOGY Recorded Osts (Describe in Remarks):Stream, Lake, or Tide GaugeAensi PhotographsOther	Wedand Hydrology Indicators: Primery Indicators: Inundated Saturated in Upper 12 Inches Water Marks Orift Lines Sediment Deposits Orainage Patterns in Wedands Secondary Indicators (2 or more reduired): Oxidized Root Channels in Upper 12 Inches	
DROLOGY Recorded Oata (Describe in Remarks):Stream, Lake, or Tide GaugeAenai PhotographsOtherNo Recorded Oata Available	Wedand Hydrology Indicators: Primary Indicators: Inundated Saturated in Upper 12 Inches Water Marks Orift Lines Sediment Deposits Orainage Patterns in Wedands Secondary Indicators (2 or more required):	
DROLOGY Recorded Oata (Describe in Remarks): Stream. Lake, or Tide Gauge Aenai Photographs Other No Recorded Oata Available laid Observations: Oaoth of Surface Water:	Wedand Hydrology Indicators: Primary Indicators: Inundated Saturated in Upper 12 Inches Water Marks Orift Lines Sediment Deposits Orainage Patterns in Wedands Secondary Indicators (2 or more reduired): Oxidized Root Channels in Upper 12 Inches Water-Stained Leaves Local Sail Survey Osta	
DROLOGY Recorded Oata (Describe in Remarks):Stream. Lake, or Tide GaugeAenai PhotographsOtherNo Recorded Oata Available Teid Observations: Depth of Surface Water in Att:Unit.	Wedand Hydrology Indicators: Primary Indicators: Inundated Inundated Saturated in Upper 12 Inches Water Marks Onit Lines Sediment Deposits Orainage Patterns in Wedands Secondary Indicators (2 or more redured): Oxidized Root Channels in Upper 12 Inches Water-Staned Leaves Local Soil Survey Osta FAC-Neutral Test	

	do Dam	Drainage O	
exchamy (Subgroup): rofile Description: leath nonest Honzon Matrix Co	Munseil Moisti	Martie AbundancerConffest	Texture. Concretions. Structure, etc.
Ivane Soil Indicatora: — Histosoi — Histo Esipedon		Cancretions High Organic Content in S	
Suffidic Odor Aquic Moisture Regulations Reducing Canditions	m•	Organic Streaking in Sand Listed on Local Hydric Soi Listed on National Hydric	y Solis is List Solis List
Aquic Moisture Regi Reducing Canditions Glayed or Low-Chron	m•	Organic Streaking in Sand Listed on Local Hydric Soi	y Solis is List Solis List
Aquic Moisture Regi Reducing Canditions Giayed or Low-Chron	ma Calors	Organic Streaking in Sand Listed on Local Hydric Soi Listed on National Hydric	y Solis is List Solis List
Aquie Moisture Regi	ma Calors	Organic Streaking in Sand Listed on Local Hydric Soi Listed on National Hydric	y Sous is List Sous List (Circle)
Aquic Moisture Registre Reducing Canditions Gieved or Low-Chron Jemarks: ETLAND DETERMINATION Hydrophytic Vegetation Present? Hydrid Soils Present?	Yes No (Circle) Yes No	Organic Streaking in Sand Usted on Lacai Hydne Soi Usted on National Hydne Other (Explain in Remarks	y Sous is List Sous List (Circle)
Aquic Moisture Regularity Reducing Canditions Giaved or Low-Chron Remarks: ETLAND DETERMINATION Redand Hydrology Present?	Yes No (Circle) Yes No	Organic Streaking in Sand Usted on Lacai Hydne Soi Usted on National Hydne Other (Explain in Remarks	y Sous is List Sous List (Circle)

future recreation facilities, including a proposed golf course, subject to resolution of outstanding issues. In addition, approximately 370 acres of potential residential land has been identified as surplus; and approximately 10 acres were retained for the water treatment plant and future improvements. Similarly, 105 acres were allocated for future improvements in support of the Youth Correctional Facility. The southern parcel of the site, which contains approximately 750 acres, is designated as a "Study Area" in the MLUP. Cypress Channel flows through the entire CIM site, from the northern to the southern boundary. The delineated portion of the channel is entirely within the southern parcel of the site or the "Study Area."

3.2 Site Description

The entire 2,460 acre CIM site is located in the Santa Ana River watershed. South of the site, Prado Dam has been built across the Santa Ana River to form the Prado Flood Control Basin. The CIM site drains north to south.

Constructed in the 1970's, Cypress Channel is a partially improved open channel storm drain that conveys stormwater flow from the San Gabriel mountains and urban watershed (State of California 1997). The channel is fed by the Magnolia and Sultana-Cypress storm water drains. As depicted on the USGS 7.5 minute series Ontario topographic quadrangle (Township 2 South, Range 7 West), Cypress Channel begins south of the Pomona Freeway (Highway 60) as two separate channels. The eastern most channel begins at the southwest corner of the Sultana Avenue/Walnat Avenue intersection and heads southwest. The western channel starts at the southeast corner of the San Antonia Avenue/Walnut Avenue intersection and heads due south until it intersects with the eastern channel, less than .25 mile north of Riverside Drive. The channel then continues to head southwest until just before it intersects with Cypress Avenue. Cypress Channel then turns due south and runs adjacent to the eastern side of Cypress Avenue.

Cypress Channel crosses into the CIM site at its northern boundary (Edison Avenue) and extends south approximately 11,600 linear feet to its southern boundary (Kimball Avenue). The northern most 8,600 linear feet of the channel, beginning at Edison Avenue and extending south, is lined on the bottom and both banks with concrete and supports no vegetation. The remaining 3,000 linear feet of the channel which is the subject of this report, has a natural bottom with retaining structures on both banks (Figure 3.2-1, *Retaining Structures and Vegetation*). This natural bottom portion of the channel supports native riparian vegetation which has been invaded by non-native species (Figure 3.2-1). The natural bottom portion of the channel ends approximately 60 linear feet before the Kimball Avenue bridge. The remainder of the channel, extending under the bridge, is lined with concrete. Dirt roadways are immediately adjacent to both banks of the natural bottom portion of the channel (Figure 3.2-2, *Dirt Roadways*) The roadways extend down the entire 3,000 linear feet of the delineated section of the channel. Agricultural land is immediately adjacent to the dirt roadways on the eastern and western side of the delineated section of the channel.

Cypress Channel follows the approximate alignment of the natural drainage, which is shown on nineteenth-century maps of the Chino area. To the north and south of the CIM site, Cypress Channel is managed by the San Bernardino County Flood Control District. Although, the Flood Control District currently does not have an easement across the CIM site, the State of California has notified

the Flood Control District that it will grant an easement in surplus land area for maintenance purposes after improvements to the channel have been completed.

3.3 Regulatory Framework

Those activities that extend into wetlands or "waters of the United States" are subject to the authority of the USACOE under Section 404 of the Clean Water Act. In addition, the USACOE has expanded its permitting authority to projects that impact 0.1 acre or more of wetlands or "waters of the United States." Activities that require a Federal license or permit are also subject to certification by the RWQCB, and activities in stream courses are subject to the jurisdiction of the CDFG pursuant to Section 1600 of the State Fish and Game Code.

Section 404 of the Clean Water Act

Section 404 of the Clean Water Act, which is administered by the USACOE, regulates the discharge of dredged and fill material into "waters of the United States." The USACOE has established a series of Nationwide Permits that authorize certain activities in "waters of the United States" provided that the proposed activity can demonstrate compliance with standard conditions. Normally, the USACOE requires an individual permit for an activity that will affect an area in excess of 0.5 acres of "waters of the United States." The USACOE also has discretionary authority to require an Environmental Impact Statement for projects that result in impacts to an area between 0.1 and 0.5 acres. Projects that result in impacts of less than 0.5 acres of "waters of the United States" can normally be conducted pursuant to Nationwide Permit No. 26 if consistent with the standard permit conditions.

Section 401 of the Clean Water Act

Water quality certification is required by the State Water Resources Control Board (State Board) for any activity that requires a Federal license or permit (such as a Nationwide Permit or individual permit pursuant to the Federal Clean Water Act) and that may result in a discharge to a body of water.

Section 1603 of the State Fish and Game Code

All diversions, obstructions, or changes to the natural flow or bed, channel, or bank of any river, stream, or lake in California that support fish or wildlife resources are subject to the regulatory authority of the CDFG pursuant to Sections 1600 through 1603 of the State Fish and Game Code. Specifically, Section 1603 of the Code governs private party individuals. Under State Code, a stream is defined as a body of water that flows at least periodically, or intermittently, through a bed or channel having banks and supporting fish or other aquatic life; included are watercourses with surface or subsurface flows that support or have supported riparian vegetation. The CDFG's jurisdictions within altered or artificial waterways is based on the value of those waterways to fish and wildlife. The CDFG must be contacted for a streambed alteration agreement for any project that may impact a stream bed or wetland. The CDFG has maintained a "no net loss" policy regarding potential impact, and has required replacement of lost habitats on at least an acre-for-acre basis.

4.0 JURISDICTIONAL DELINEATION METHODS

The purpose of this survey was to delineate the limits of USACOE jurisdiction pursuant to Section 404 of the Clean Water Act and CDFG jurisdiction pursuant to Section 1600 of the State Fish and Game Code within the natural bottom portion of Cypress Channel. This delineation was conducted as part of a preliminary assessment being conducted to determine the baseline environmental conditions of the entire 2,460 acre CIM site. The four-person delineation team included Mr. Blair Baker, Ms. Jennifer Campbell Young, Mr. Paul Seilo, and Ms. Jessica Koteen. Mr. Blair Baker and Ms. Jennifer Campbell Young have both successfully completed the Field Delineation courses offered through the Wetlands Institute.

Potential sources of information, including the USGS 7.5 minute series Prado Dam topographic quadrangle, were reviewed prior to conducting field work. During this review, Cypress Channel and one small pond were found mapped on the subject property. Cypress Channel is the only "blue-line" stream mapped on the CIM site. The pond is located north of Kimball Avenue and west of Cypress Channel in the southern parcel. It is a settling pond for the entire CIM site.

National Wetland Inventory (NWI) maps were consulted for the area using the Interactive Mapping tool provided by the U.S. Fish and Wildlife Service. Wetlands on the NWI maps are classified in accordance with Cowdin, et al. (1979). Not all areas on NWI maps are wetlands under USACOE jurisdiction. There are no wetlands mapped on the subject property according to the NWI. The only open water feature on the CIM site, as designated on the NWI map, is Cypress Channel. Other open water features in the vicinity of the CIM site include: Cucamonga Creek Flood Control Channel to the east; Prado Lake to the south; and San Antonia Channel, the Lower Los Serranos Channel, and Lake Los Serranos to the west.

Geologic Maps of the San Bernardino Quadrangle were consulted for the project site. The CIM site lies to the west of Puente Hills, and is comprised of younger (Holocene) slightly dissected fan deposits of sand and gravel (Department of Conservation 1996).

The County of San Bernardino Flood Control was contacted for stream gauge data. The nearest stream gauge is located approximately two miles south of the CIM property boundary on Chino Creek within the Prado Flood Control Basin (pers. comm., Randy Forbey).

The jurisdictional delineation was undertaken on June 12 and 13, 2001. The delineation team recorded data on routine wetland determination data forms (Appendix A, Data Forms—Routine Wetland Determination) and confirmed measurements on 100-scale topographic maps. Field observations were recorded for each transect including location, characteristic vegetation, evidence of a streambed or bank (or ordinary high water mark), and substrate. Transects were initiated on the channel proximate to the end of the concrete-lined portion of the channel, approximately 8,600 linear feet south of Edison Avenue. Transect #1 was established across the channel 15 feet south of the of the end of the concrete-lined portion. Subsequent transects were established at approximately 100 foot intervals. A total of 28 transects (oriented east to west; perpendicular to the watercourse) were established along Cypress Channel (Appendix B, Transect Photos). Transect locations are shown on Figure 4-1, Jurisdictional Delineation Transect Locations.

Soil pits were dug at each transect, soil horizons were characterized, and soil textures were analyzed; this process was repeated at each site. Evidence of disturbance or previous alterations to the stream were also noted. Retaining walls were present along portions of the bank on both sides of the channel and were heavily eroded and in need of repair. There was evidence of disturbance by fill of material not indigenous to the site between the concrete lined portion of the channel and transect #1.

The determination of areas subject to the jurisdiction of the USACOE and CDFG was based on an analysis of the vegetation, hydrology, and soils in the project area; the USACOE typically exerts jurisdiction over areas that possess the three indicators for wetlands—hydrology, soils, and vegetation—or that exhibit signs of supporting regular water flow (typically during a 20-year storm event). The characterization of the existing vegetation in the parcel was conducted using the National Range of Indicators defined by the U.S. Fish and Wildlife Service and provided in the *National List of Plant Species that Occur in Wetlands: California (Region 0)*. Soils on the project site were determined through field analysis for features characteristic of soils subject to anoxic conditions. Hydrology was determined using topographic maps and indicators as outlined in the *Field Guide for Wetland Delineation*. The CDFG exerts jurisdiction over the bed, bank, and channel of a lake, river, or stream and any associated riparian vegetation.

Sections of the stream where "normal environmental conditions" exist were examined using the comprehensive method described by the *Field Guide for Wetland Delineation*. Sections of the stream that appeared to be altered or disturbed were also analyzed using the methods described therein.

5.0 JURISDICTIONAL DELINEATION RESULTS

The portion of the blue-line stream on the project site is approximately 11,600 feet long. There are no jurisdictional wetlands present within the area delineated (approximately 3,000 linear feet). As a result of surveys to determine the extent of jurisdictional areas on-site, it was found that the existing conditions do not support the vegetation, soil, and hydrology necessary to be classified as wetlands pursuant to Section 404 of the Clean Water Act. Sampling of soil removed from pits dug at the transect locations showed that wetland soils are not present within the area delineated along the channel. Areas subject to ordinary flows that scour and remove dropped leaves are present, and areas along the stream show signs of water flow or of an ordinary high water mark (OHWM). There is wetland vegetation present within the streambed.

5.1 Waters of the United States

As a result of the surveys conducted on June 12 and 13, 2001 approximately 5.06 acres of the property were observed to support "waters of the United States." The delineated portion of the Cypress Channel was observed to contain running water for a linear distance of approximately 3,000 linear feet in the south-central portion of the property. The channel is considered to have an average width of six feet along the length of area supporting a flow of water. The channel is supplied by a seasonal flow from rains and maintains a perennial flow supplied by nuisance irrigation water. The

area subject to the jurisdiction of the USACOE as "waters of the United States" is shown in Figure 5-1, Agency Jurisdiction.

During the delineation survey, there were indications of erosion, sediment deposits, and water marks in the area. In addition, racking of debris against fixed points in the channel was observed such as would be expected if regular flows were transporting material down the channel. Vegetation in the area subject to the jurisdiction of the USACOE consists of smartweed (*Polygonum sp.*), Arroyo willow (*Salix lasiolepis*), black willow (*Salix gooddingii*), and cattails (*Typha latifolia*) and represent the dominant vegetative cover. There are no mapped hydric soils on the property. No evidence of hydric soils was observed in the soil test pits. Vegetation adjacent to the area subject to the jurisdiction of the USACOE has been cleared for agricultural uses or for access roads.

5.2 Streambed

As a result of the surveys conducted on June 12 and 13, 2001 approximately 5.06 acres of the property were observed to support characteristics which could be considered to fall within the jurisdiction of the CDFG. As described in Section 4.0, a stream is described in Title 14, California Code of Regulations, Section 1.72 as:

"a body of water that flows at least periodically or intermittently through a bed or channel having banks and supports fish or other aquatic life. This includes watercourses having a surface or subsurface flow that supports or has supported riparian vegetation."

The courts, in Rutherford v. State of California, defined a stream as:

"a watercourse having a source and terminus, banks, and channel, through which waters flow, at least periodically. Streams usually empty into other streams, lakes, or the ocean, but a stream does not lose its character as a watercourse even though it may break up and disappear" (CDFG 1994).

Features which define a stream are present within the area described as riparian/disturbed. There is a defined channel with a bed and banks along the project boundaries.

The survey of Cypress Channel showed a natural bed and discernable banks present in this drainage. The channel exhibits characteristics of a watercourse that supports regular water flow. Although this regular water flow is being supplied throughout the dry season by nuisance irrigation runoff and would under natural conditions have little or no water present. The courts have stated that a watercourse may be "dry except in winter and spring and very [possibly] at intervals even in those seasons" (CDFG 1994). Some hydrophytic vegetation, in the form of arroyo willow, black willow, smartweed, and cattail, is present within portions of the channel. The area subject to the jurisdiction of the CDFG is shown in Figure 5-1.

Appropriate permitting for future projects will be determined as a result of the jurisdictional delineation defined in this report.

6.0 REFERENCES

- California Department of Fish and Game, Environmental Services Division. *A Field Guide to Lake and Streambed Alteration Agreements, Sections 1600-1607, California Fish and Game Code.*California Department of Fish and Game, Environmental Services Division, 1416 Ninth Street, Sacramento, CA 95814. 1994.
- Department of the Army. *Corps of Engineers Field Guide for Wetlands Delineation*. National Technical Information Service, Washington, D.C. 1987.
- Forbey, Randy. Personal Communication. County of San Bernardino Flood Control. (909) 387-8227. August 2001.
- Hickman, J.C. (ed.) *The Jepson Manual*. Berkeley: University of California Press, 1993.
- Holland, R. F. *Preliminary Descriptions of the Terrestrial Natural Communities of California*. Sacramento: California Department of Fish and Game. 1986.
- Reed, P.B., Jr. "National List of Plant Species That Occur in Wetlands: California (Region 0)." U.S. Fish and Wildlife Service Biol. Rep. 88 (1988).
- State of California. Department of Conservation, Division of Mines and Geology. Geology Map of the San Bernardino Quadrangle. 1986.
- State of California. Department of General Services, Real Estate Services Division, Asset Planning and Management Branch. *Strategic Master Land Use Plan and Implementation Approach CIM Chino.* Volume I. 2000.
- State of California. Department of General Services, Real Estate Services Division. *Land Use Analysis CIM Site, Chino, California.* 1997.
- U.S. Department of the Interior. National Wetlands Inventory. Zip Code Search (91710) http://ecos.fws.gov/nwi_mapplet/summap.html, California.
- U.S. Geological Survey. Ontario, California 7.5 minute series topographic quadrangle. 1966 (photo revised 1981).
- U.S. Geological Survey. Prado Dam, California 7.5 minute series topographic quadrangle. 1966 (photo revised 1981).

Based on the review of information and the delineation efforts in the field, the following report has been prepared to describe the baseline environmental conditions along Cypress Channel and to delineate the extent of areas potentially subject to the jurisdiction of the U.S. Army Corps of Engineer and the California Department of Fish and Game.

Jurisdictional Area to be Affected as a Result of the Proposed Work There are no wetlands associated with Cypress Channel. There are approximately 5.06 acres of "waters of the United States" on the (stream name and location). Approximately 5.06 acres of the delineated portion of Cypress Channel (CNDDB) may be subject to the jurisdiction of the California Department of Fish and Game Pursuant to Section 1600 of the State Fish and Game Code.

Endangered Species

A query of the California Department of Fish and Game Natural Diversity Data Base (CNDDB) for the USGS 7.5 minute series Prado Dam topographic quadrangle and surrounding quadrangles, identified two plant and four wildlife species which are listed or candidate species with the potential to occur adjacent to or within the study area. As a result of directed surveys performed by Sapphos Environmental, Inc. staff it was determined that no listed or candidate species are present within the study area.

The CNDDB also identified five plant and seven wildlife species which are classified as sensitive with the potential to occur adjacent to or within the study area. As a result of directed surveys conducted by Sapphos Environmental, Inc. staff no sensitive plant species were identified and two sensitive wildlife species were identified within the study area.

There are eight pairs of nesting burrowing owls (Athene cunicularia) and one golden eagle (Aquila chrysaetos) present within the study area. Burrowing owls prefer dry, open, treeless shortgrass plains, often in areas with little or no vegetation, which are often associated with burrowing mammals and rodents (Small 1994). There is appropriate habitat associated with burrowing mammals and rodents along the banks of the unlined portion of the channel which could provide habitat for the burrowing owl. The nearest occurrence of the burrowing owl is approximately 3,900 linear feet from the unlined portion of the channel.

Although one golden eagle was observed foraging above a nearby agricultural field, there is no suitable habitat for nesting in or adjacent to the area delineated. Existing conditions do not support habitat for the above listed species and they are not expected to occur along the delineated portion of the channel.

Historic Properties

A Cultural Resource Investigation was prepared for the northern parcel by Greenwood and Associates (2001). No current cultural resource investigation has been prepared for the southern parcel or for the natural bottom portion of Cypress Channel. The Greenwood investigation states that the area around Cypress Channel in the northern parcel has potential for prehistoric and historical resources. The investigation also states that any excavation around the channel should be monitored by a professional archaeologist qualified to recognize and evaluate both prehistoric and historical materials. It is recommended that a cultural resource investigation be conducted in the southern parcel before any work is done around the southern portion of Cypress Channel.